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BARRETT'S

1925

POULTRY, GARDEN ORCHARD and LAWN SUPPLY CATALOGUE

JOBBERS

RETAILERS



BARRETT HARDWARE CO.

BARRETT BLOCK

Phone 4100

JOLIET, ILLINOIS

THIS IS A BOOK OF REFERENCE

WE BELIEVE you will find this Book an honest, trustworthy salesman, always ready to give you accurate and complete information about the goods we offer.



This shows the arrangement of Bulk Seeds
in our Garden Department.

SEEDS--TREES--PLANTS--SHRUBS *and* BULBS

The Best and Nothing Else in Our Lawn Grass Seed

.....

BARRETT'S

JOLIET MIXTURE

Lawn Grass Seed

CONTAINS A WELL BALANCED BLEND OF VARIOUS FINE BLADED AND DEEP ROOTING VARIETIES, WHICH HAVE BEEN PROVED TO PRODUCE THE BEST RESULTS UNDER VARIED CONDITIONS AS TO JOLIET SOILS AND CLIMATE. WE PURCHASE THE SEPARATE SEEDS AND MAKE OUR OWN MIXTURE IN PROPORTIONS RECOMMENDED BY OUR CITY FORESTER.

THE MIXTURE IS COMPOSED ENTIRELY OF THE BEST RE-CLEANED AND TESTED SEEDS, FREE FROM ALL CHAFF.

ONE POUND OF BARRETT'S MIXTURE LAWN SEED IS SUFFICIENT TO COVER A PLOT 20 x 20 OR 400 SQUARE FEET.



We purchase tons of Lawn Grass Seed every season, which places us in position to make prices equal to any seed house---quality ruling.

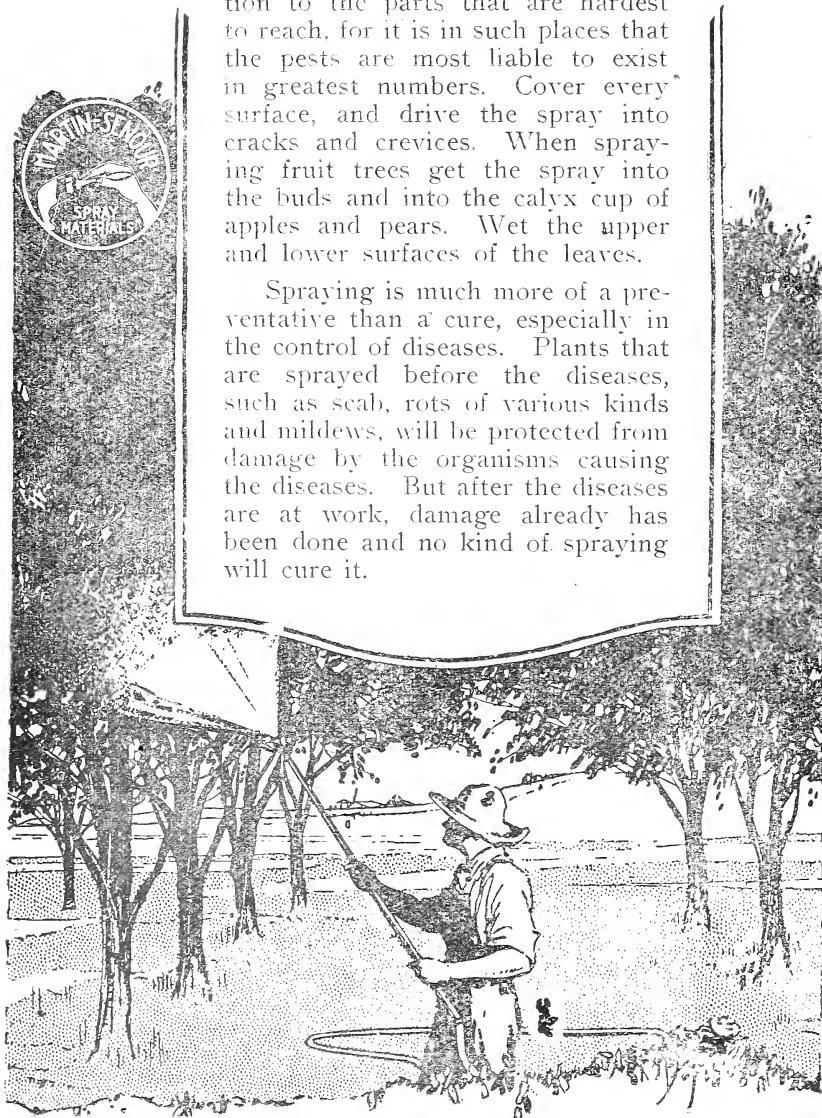


SPRAYING is the most important operation on the farm, and it is only by spraying with suitable materials that most of the troublesome insect pests and fungus diseases of fruit trees and garden crops can be controlled. Spraying, likewise, with the right materials, will protect the health of live stock, by controlling pests which infest their skin and by maintaining their quarters in a sanitary condition.

There is no one spray that will cure everything. Use the spray that will best fit your case. Spray thoroughly. Direct your atten-

tion to the parts that are hardest to reach, for it is in such places that the pests are most liable to exist in greatest numbers. Cover every surface, and drive the spray into cracks and crevices. When spraying fruit trees get the spray into the buds and into the calyx cup of apples and pears. Wet the upper and lower surfaces of the leaves.

Spraying is much more of a preventative than a cure, especially in the control of diseases. Plants that are sprayed before the diseases, such as scab, rots of various kinds and mildews, will be protected from damage by the organisms causing the diseases. But after the diseases are at work, damage already has been done and no kind of spraying will cure it.



Spraying Program

APPLE

The usual number of spray applications for the apple and pear are five, but under some conditions it is advisable to make one or two additional sprays, particularly during wet seasons. The following applications when correctly made, constitute a complete spraying program and **should control all the common enemies of the apple and pear.**

1. **Dormant Spray.** Applied before the buds burst in the spring. Materials: Oil Emulsion, Scalecide (1 to 15), or Lime-Sulphur (1 to 8). Controls San Jose Scale and Blister Mite. (If Lime-Sulphur is used), the addition of "Kayso" is very valuable, used at the rate of 2 lbs. to 200 gals. of spray mixture.

2. **Delayed-dormant Spray** (Green tip). Often substituted for dormant spray, and when used, the dormant application is unnecessary. Materials: same as above except addition of Black Leaf 40, 1 pt. to 100 gals., when Lime-Sulphur is used, for the control of aphids.

3. **Pre-pink Spray** (cluster bud). Sometimes omitted unless season is rather rainy, in which case it becomes one of the most **valuable sprays** for controlling Scab. Materials: Lime-Sulphur 1 to 40, Arsenate of Lead, 2 lbs. to 100 gals., Black Leaf 40, 1 pt. to 100 gals. Controls Scab, Aphids, Bud Moth and other minor insects.

4. **Pink Spray.** This spray should **never be omitted** as it controls a large number of disease and insect pests. Materials: same as above in pre-pink spray. "Kayso" is usually added at the rate of 1 lb. to 100 gals., as it makes a better covering.

5. **Calyx Spray.** This is the **most important application** as it controls Codling Moth, Apple Scab, etc. Materials: same as in pink spray, except that Black Leaf 40 is usually omitted from this and later sprays. This spray mixture should be applied to the trees very thoroughly with the highest pressure available so that the misty spray will enter all of up-turned blossom ends of young fruit.

6. **First Summer Spray.** This application comes about ten days or two weeks after the calyx spray. When Curculio is serious, however, this spray should be applied one week after the calyx spray. Materials: same as in calyx spray.

7. **Second Summer Spray.** Sometimes called second Codling Moth or first

Bitter Rot spray. Comes about eight or nine weeks after calyx spray. Materials: same as in calyx spray. On certain yellow varieties of apples, which practically never scab, Lime-Sulphur can be omitted from this as well as other summer applications, using only arsenate of lead and some lime with "Kayso." If Bitter Rot or Apple Blotch is present, Bordeaux Mixture (3-6-50) should be substituted for the Lime-Sulphur.

Bordeaux often causes russetting of yellow sorts, therefore omit Bordeaux if Bitter Rot and Blotch are not troublesome.

8. **Second Bitter Rot Spray.** An additional spray for Bitter Rot is sometimes advisable in wet seasons, applied two or three weeks after the first Bitter Rot spray. Materials: Bordeaux Mixture (3-6-50) and Arsenate of Lead (2 lbs. to 100 gals.).

Explanation of Terms: The various stages in development, at which the various sprays are applied may be explained as follows: (1) Dormant: Before the buds burst in the spring. Dormant sprays may also be applied in the fall but some advantage is gained by delaying until the buds begin to swell. (2) Delayed - dormant: sometimes called "green tip" stage. When the leaves of the blossom buds are out $\frac{1}{4}$ inch, but are still tightly curled and in a compact mass. (3) Pre-pink: often called "cluster bud" stage. When the cluster of blossom buds have appeared but before they have separated. (4) Pink: (Blossom pink). When blossom buds have separated and show pink of petals, but have not opened. (5) Calyx: After at least five-sixths of the petals have fallen and before the calyx lobes of central blossom of cluster closes.

PEAR

Practically the same as for apple, except that only the five regular sprays are made as a rule: i. e., Nos. 1 (or 2), 4, 5, 6 and 7 as shown under Apple Spray Program. Bordeaux Mixture is also omitted, since Bitter Rot is not a factor. For the summer sprays, the Lime-Sulphur should be 1 to 50 instead of 1 to 40.

PLUM

Same Spray Program as for the peach. An extra spray, however, is sometimes made for Curculio just after the blossoms fall, consisting of Arsenate of Lead,

2 lbs., and Lime, 6 lbs., to 100 gals. of water. Plums (except Japanese type) can also be sprayed with dilute Bordeaux Mixture (2-4-50), but self-boiled Lime-Sulphur is preferable.

PEACH

1. **Dormant Spray.** During the dormant season, preferably on mild days of late fall or spring, before the buds begin to swell. Materials: Lime-Sulphur (1 to 8). Controls San Jose Scale and Peach Leaf Curl.

2. **Second Spray.** When the blossom shucks (calyces) have dropped from the young fruit. Materials: self-boiled Lime-Sulphur (8-8-50) or dry-mix Sulphur-Lime; and Arsenate of Lead (2 lbs. to 100 gals.). Controls Brown Rot, Curculio, etc.

3. **Third Spray.** Two weeks after second spray, using same materials.

4. **Fourth Spray.** About one month before fruit ripens. Materials: self-boiled Lime-Sulphur or dry-mix Sulphur-Lime. Controls Brown Rot.

CHERRY

1. **Dormant Spray.** Should be applied before the leaf buds swell. Materials: Oil Emulsion, Scalecide, or Lime-Sulphur (1-8). Controls San Jose Scale.

2. **Second Spray.** When the shucks (calyces) have fallen from the young fruit. Materials: Bordeaux Mixture (3-5-50), self-boiled Lime-Sulphur, or dry-mix Sulphur-Lime; and to one of these add Arsenate of Lead (2½ lbs. to 100 gals.). Commercial Lime-Sulphur (1 to 40) may be used on the sour cherry, but the foliage of the sweet cherry is too tender for this material unless used at weaker strengths.

3. **Third Spray.** About two weeks after second spray, using same materials.

Controls Brown Rot, Slug, Shot-hole Fungus, etc.

4. **Fourth Spray.** After the fruit is picked. Materials: Bordeaux Mixture (3-5-50 strength). Controls shot-hole fungus (leaf-spot), and where the disease is serious, this application is very important.

GRAPE

1. **First Spray.** When third leaf is forming on the new shoots. Materials: Bordeaux Mixture (3-5-50 strength) and Arsenate of Lead (2½ lbs. to 100 gals.).

2. **Second Spray.** Just before blooms open. Materials: same as in first spray.

3. **Third Spray.** Just after petals fall. Materials: same as above.

4. **Fourth Spray.** Two weeks after third spray. Materials: same as above.

5. **Fifth Spray.** Two weeks after fourth spray. Materials: Bordeaux Mixture (3-5-50) alone.

Later Sprays. In wet seasons, later spray applications may be necessary. In such a case, however, Ammoniacal Copper Carbonate is substituted for Bordeaux Mixture in order not to stain the maturing fruit.

RASPBERRY

Anthracnose. This disease attacks both red and black raspberries, producing circular or oval spots on the leaves and young shoots, at first purplish and later grayish in color. Dwarfing of the canes results, followed by premature ripening and drying up of the fruit.

Control. Spray with Lime-Sulphur (1 to 10) just as the buds are opening and again with Lime-Sulphur (1 to 50) one week before the first blossoms open. "Kayso" should be added in both cases. After picking season, cut out and burn all old and diseased canes.

HOW TO ESTIMATE THE AMOUNT OF SPRAY MATERIAL NEEDED

The following estimates are made on the basis of the average 15 to 20 year old apple tree where the complete season's spray program is followed out:

1. **Lime-Sulphur.** About one-half as many gallons of the commercial concentrated solution will be required as there are trees to be sprayed, figuring on the basis of the four summer applications only. If dry lime-sulphur is used, twice as many pounds will be required as the number of trees.

2. **Arsenate of Lead (Powder).** One-half as many pounds as there are trees to be sprayed, based on use in four applications.

3. **Black Leaf 40.** One pint for each 15 trees to be sprayed, assuming that it is included in two applications.

4. **Bordeaux Mixture.** One pound Copper Sulphate and one pound Stone Lime for each tree sprayed, based on three applications.

WHITEWASHING SOLUTION (U. S. Government Formula)

Slack $\frac{1}{2}$ bushel of quick lime with boiling water (keeping it covered during the process), strain and add a peck of salt dissolved in warm water, 3 pounds of ground rice which has been boiled to a thin paste, $\frac{1}{2}$ pound of Spanish whiting and 1 pound of clear glue dissolved in warm water. Mix these materials well together and let stand for several days. Dilute with sufficient water to flow freely, straining the wash through a piece of cheese cloth into the sprayer tank. A small quantity of laundry bluing will add to the whiteness of the surface.

Notice to Home Gardeners

In order to assist the small fruit grower and gardener the following schedule is presented which will give in level tablespoons the proper quantity of insecticide or fungicide to use in one gallon of water.

M-S Dry Arsenate of Lead

Seed Fruits and Truck Crops:

4 to 6 tablespoons in one gallon of water.

Stone Fruits:

4 tablespoons in one gallon of water.

Potatoes:

6 to 8 tablespoons in one gallon of water.

M-S Dry Lime-Sulfur

Dormant Spray:

16 to 22 tablespoons in one gallon of water.

Summer Spray—Seed Fruits:

4 to 5 tablespoons in one gallon of water.

Summer Spray—Stone Fruits (except Peaches):

2 tablespoons and 6 tablespoons of hydrated lime.

M-S Arsenate of Calcium

Seed Fruits and Truck Crops:

4 to 6 tablespoons in one gallon of water.

Potatoes:

6 to 8 tablespoons in one gallon of water.

M-S Paris Green

Potatoes:

1 to 3 teaspoons in one gallon of water, and 6 tablespoons of hydrated lime.

M-S Bordo Arsenate

General Truck Crops and Seed Fruits:

12 to 15 tablespoons in one gallon of water.

Stone Fruits (except Peaches):

10 tablespoons in one gallon of water.

Fly Sprays**COW EASE and KNOX OUT****FOR COWS, HORSES, SWINE AND POULTRY**

Keeps flies off; gives cows a chance to feed in peace, therefore increases flow of milk.

Repellent to lice on cows and horses.

Prevents barn and cattle itch.

Does not gum the hair. Will not stain the cows' or men's clothing.

Does not irritate eyes or hands of men.

Does not taint milk when used as directed.

Quart, 60c. $\frac{1}{2}$ Gallon, 90c. Gallon, \$1.50. 5 Gallons \$6.50.

We Highly Recommend the Martin-Senour Line of Insecticides and Fungicides

DRY LIME SULFUR

The use and success of Lime-Sulfur Solution is known to practically every fruit grower in the country, and every grower is also familiar with the inconveniences and unpleasantness in connection with the handling of Liquid Lime-Sulfur. The barrels are very heavy to handle—they contain over 50 per cent water, which means heavy freight charge. Liquid Lime-Sulfur freezes in cold weather and leaks from the barrel in summer, and all in all is very unpleasant to handle. Martin-Senour Dry Lime-Sulfur is standard Lime-Sulfur Solution in dry powdered form—the first and only one of its kind on the market. It has all the advantages of the liquid material, and eliminates the disadvantages. Its effectiveness has been proven by thousands of orchardists and Experiment Stations.

Protected by U. S. Patent No. 1,254,908.

Price—Market

DRY POWDERED ARSENATE OF LEAD

Because of its unusual lightness, stays thoroughly in suspension during spraying operations, thus giving the spray uniform strength. It contains from 30 to 33 per cent arsenic oxide thoroughly in combination with lead and less than one per cent water soluble arsenic. This means that it has maximum killing power, speedy action and unquestionable effectiveness in controlling leaf-eating and chewing insects, and, due to its low percentage of water soluble arsenic, there is no danger of burning the foliage. Its unusual adhesiveness is another point in its favor.

Price—Market

DRY BORDO

Martin-Senour Dry Bordo is a true Bordeaux Mixture in dry powdered form, requiring only to be mixed with cold water to give a standard Bordeaux Mixture spray. The convenience and value of having Bordeaux Mixture in dry powdered form will be instantly recognized by all fruit growers.

Price—Market

SUPERFINE SULFUR

Many growers will prefer to make up their own dusting combination, and we are in position to supply such growers with Martin-Senour Superfine Dusting Sulfur and Martin-Senour Dry Powdered Arsenate of Lead for this work. Martin-Senour Superfine Dusting Sulfur is so finely divided that over 95 per cent will pass through a 200-mesh screen. Fineness is an important factor in successful dusting and the wise fruit grower will be careful to use a Sulfur and Arsenate of Lead that is very finely divided.

Price—Market

PARIS GREEN

Martin-Senour Paris Green has by years of use proven its quality. It has become the standard Paris Green in many localities. It is light and fluffy, insuring good suspension in the spray tank and thorough covering of the foliage; contains approximately 56 per cent arsenious oxide and less water soluble arsenic than is allowed by law. It is one of the safest and most effective Paris Greens on the market today.

Price—Market

Pyrox

REG. U.S. PAT. OFF.
TRADE MARK REGISTERED

the triple-duty spray

Much easier to use—

For 27 years Pyrox has been known as the handiest and most efficient spray material on the market. There is nothing else like it! And this year, due to advanced manufacturing methods, Pyrox is even better than ever. Smoother; always ready to use; always soft and plastic.

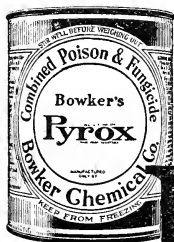
Within 5 minutes you're spraying—

No fuss or mess with Pyrox. No guesswork. No weighing out and mixing different ingredients. No hard lumps to break up. Simply dip this creamy-smooth paste out of the jar or can; add cold water according to directions; stir, and in a few moments the paste is in complete suspension. You have a perfect mixture that sprays, mist-like, through the finest nozzles and lays a thin film over the whole plant.

Pyrox is very economical: because it is so handy to use, it saves your time. Because it can be sprayed so thinly, it goes far. Because it sticks like paint, frequent sprayings are unnecessary.

Much more effective—

You need only one spray when you use Pyrox. For Pyrox contains both a **deadly poison** and a **powerful blight preventive**—extra high in Copper. Thirdly, Pyrox improves foliage—lengthens the growing period, thus increasing the yield and improving the quality. Pyrox does three things at one application.



Insects and other plant pests simply cannot live or stay where Pyrox is applied. Blights and rusts can make no progress.

Use Pyrox for all garden vegetables, small fruits, shrubs and rose bushes.

1-lb. Jar \$0.50
5-lb. Can 1.75
10-lb. Can 3.00
25-lb. Can 6.25

Pyrox

REG. U.S. PAT. OFF.
TRADE MARK REGISTERED



Kills Scale

and

Many Other Pests

For twenty years Scalecide has proven to be not only the most efficient but also the most economical dormant spray.

The economy of Scalecide is shown by the fact that a fifteen gallon drum contains enough Scalecide to spray as many trees, until they drip, as a fifty gallon barrel of lime-sulfur. And, since a tankful of dilute Scalecide sprays as many trees as two tankfuls of dilute lime-sulfur, it can be applied in half the time.

Spring spraying with Scalecide controls scale, aphids, red mite, leaf roller, bud moth, pear thrips, leaf miner and case borer. It kills the hold-over cankers from which are spread fire blight, collar rot and root rot. Year after year use of Scalecide invigorates the trees.

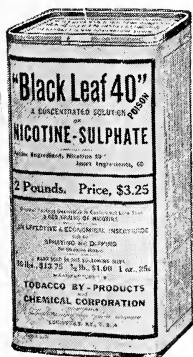
Scalecide is pleasant to use. Directions are simple—dilute one gallon in fifteen gallons of water and spray. To find out how much you need for your trees, determine from the table below the number of gallons of dilute solution required and divide by fifteen. Or if you have been using lime-sulfur figure that one gallon of Scalecide will go as far as three and a half gallons of concentrated lime-sulfur.

Average Amount of Dilute Scalecide Needed	
2 to 5-year-old trees.... $\frac{1}{8}$ to $\frac{1}{4}$ gal.	50 gal bbls.....\$38.00
6 to 8-year-old trees.... $\frac{3}{4}$ to 1 gal.	15 gal drums.....\$11.50
9 to 13-year-old trees.... 1 to $1\frac{1}{4}$ gal.	Drum extra 2.00 13.50
14 to 18-year-old trees.... 2 to $2\frac{1}{2}$ gal.	(Cost of drum refunded when
19 to 24-year-old trees.... 3 to $3\frac{1}{2}$ gal.	returned to Hackensack, N. J.)
25 to 30-year-old trees.... $3\frac{1}{2}$ to 4 gal.	2 5-gal. cans in case..... 10.60
	1 5-gal. can in case..... 6.25
	1 gal. can in case..... 1.40
	1 qt. can in case..... .60

SCALECIDE

THE COMPLETE DORMANT SPRAY

"Makes a Tree Outgrow Its Troubles"



Spray Vegetables With **“Black Leaf 40”** To Destroy Aphis

Among the most common pests are the small green, pink, or grayish plant lice (“aphis”) which attack the leaves, tender tips, and other parts of plants. These insects are small, but easily seen. On such plants as **cabbages, turnips, spinach and melons** they gather in “colonies” on the under surface of the leaves. On such plants as **potatoes, tomatoes, peas and beans**, they may be found covering the tips of the stems and also on the under side of the leaves.

They multiply very rapidly, and though early in the season only a few may be noticed on the plants, under favorable conditions they very often become epidemic.

The aphis is not of the **chewing** class of insects, like the beetles, etc. (which must be killed by stomach poisons, such as Paris Green and Arsenate of Lead), but is of that other class of insects called the “sucking” kind (like the mosquito); for with its sharp, slender beak it punctures the leaves and other parts of the plant and **sucks** the juice from **within** the plant. It must, therefore, be destroyed by a substance which will kill by mere **contact** with its body. In other words, by a so-called “contact insecticide,” such as “Black Leaf 40,” which has been demonstrated by State and Government experts, to be an effective spray for aphis and entirely safe to the plants when used as directed.

THE INJURY

The aphis sucks the juices that ought to supply food to the plant. A few of them on a plant may not seem dangerous. But from these few, thousands can develop very rapidly, and the amount of food they consume is sufficient to rob the plants of their nourishment.

The presence of aphis on vegetables may first be indicated by a yellowing and curling of the leaves, or by withering and browning of the stems; that is, of course, if the insects themselves are not discovered first. **Aphis attacks nearly always reduce the yield and lower the quality of crops; if, indeed, the plants themselves are not destroyed.**

HOW TO CONTROL THE PEST

A grower after planting and cultivating his crops should not leave them to be injured or destroyed by aphis. Spray as soon as the insects appear. If treatment is delayed until the leaves are curled and the aphids are numerous, it is not only difficult to reach them all, but the plants will have been damaged in the meantime.

THE FORMULA: Use $\frac{3}{4}$ of a pint “Black Leaf 40” to every 100 gallons of water. On a smaller scale this is equivalent to one heaping teaspoonful of “Black Leaf 40” to one gallon of water.

COMBINED SPRAYS: It is possible to combine “Black Leaf 40” with other spray materials, thereby saving time and labor.

When using Arsenate of Lead for the cabbage worm and similar leaf-eating caterpillars, or for the potato beetle and other leaf-eating beetles, “Black Leaf 40” may be added to the Arsenate of Lead mixture at the same rate as stated above in “The Formula.”

When spraying with Bordeaux Mixture, Ammoniacal Copper Carbonate, Sulphur, and similar materials, for the control of plant diseases, “Black Leaf 40” may likewise be added.

SOAP: The addition of a little plain laundry soap will soften the water and increase the **spreading** and wetting properties of the spray. The soap should be cut into thin slices and boiled in a small amount of water until dissolved. It may be used at the rate of 3 to 5 pounds of soap to every 100 gallons of water; or, on a smaller scale, $\frac{1}{2}$ ounce soap to every gallon of water. **DO NOT** add soap when mixing “Black Leaf 40” with Arsenate of Lead or Bordeaux.



TREE TANGLEFOOT

A perfect safeguard against Gypsy Moth, Brown Tail and Tussock Moth, Caterpillars, Canker Worms, Cut Worms, Ants and other creeping insects. For tree surgery—nothing better on the market. It is unequalled for the treatment of trees after trimming or pruning.

1 lb. Can 60c 5 lb. Can \$2.75

TANGLEFOOT ROACH AND ANT POWDER

Is more certain to rid premises of Roaches and Ants than any irritating powder or liquid.

2 oz. Pkg. 10c ½ lb. Pkg. 25c
1 lb. Pkg. 50c



TANGLEFOOT FLY SPRAY

Quick Acting and Sure

Tanglefoot Fly Spray does its work swiftly and completely without causing extra work, worry or fuss. It leaves no dust to remove from furniture, or poison to endanger children.

There is no half-way measure about it. Its action is as swift as fate and as sure as death. When it is used one wastes no time or energy vainly swatting flies—only to soil the walls and surrender in despair. Just close the windows and doors for a few minutes, fill the air with Tanglefoot Fly Spray, and flies and other insects are killed in a wholesale way.

Above all things, Tanglefoot Fly Spray is safe. It is non-poisonous and non-irritating to human beings and animals, and it is not injurious to rugs, draperies or furniture.

½ Pints 50c; Pints 90c; Quarts \$1.50

GRAFTING WAX

For grafting of every kind. To be spread on the cut or around the graft when trimming fruit or other trees, or shrubbery. It is much better to cover the cut with grafting wax.

Price, per 5-oz. Bar, 25c

DUSTING SULPHUR

Dusting Sulphur can be used to advantage in combating mildew wherever found and often can be substituted for Bordeaux mixture, when the latter is recommended. It is best applied when the foliage is moist and in the morning of a sunny day. Roses of the crimson rambler type, which are greatly subject to mildew, are especially benefitted by the use of the sulphur, which should be dusted on as soon as the leaves are out and several times thereafter. Shrubs and trees which are likely to show mildew include lilacs, cherries, plums and hawthorns.

In the fruit garden Dusting Sulphur is of value in preventing mildew on the grape, also in preventing this trouble on the currant and gooseberry, although the European gooseberries are hard to keep clean.

In the vegetable garden onion smut can be largely controlled by dusting the sulphur on the plants and soil. Both anthracnose and mildew on spinach may be held in check by dusting the plants and ground with the sulphur. Melons and other garden crops often develop mildew and the remedy is the same.

½-lb. Pkg. 15c; 1-lb. Pkg. 20c; 5-lb. Pkg. 90c

TOBACCO DUST

For use in the garden the Tobacco Dust should be used in the form of a fine powder. When dusted over young plants it is very efficient in repelling many kinds of bugs and in keeping the foliage free from aphids or lice. Some specific uses follow:

Cabbage maggots, which work at the root, are subdued by Tobacco Dust sifted on the ground around the plants when they are set out and once a week for three weeks thereafter.

Cucumbers—Striped beetles are kept away by dusting with Tobacco Dust as soon as the leaves appear. Prompt action is necessary, as the beetles attack the leaves as soon as they show and are exceedingly voracious. A small handful of dust worked into the soil around each plant will prevent the laying of eggs by the beetles, as well as destroying the young beetles.

Melons—Apparent wilting of the vines is often caused by the grub of the striped beetle, which eats the surface of the roots. Spread Tobacco Dust on the ground as close as possible to the plants. Also dust the leaves as in protecting cucumbers.

Onions—Work Tobacco Dust liberally into the earth to keep maggots away.

Radishes—As for onions to prevent maggot injury.

Lettuce—For lice dust the leaves freely.

Asters—Beetles are kept away by using Tobacco Dust freely at the base of the plants. Work it into the soil at planting time.

Peony—Use Tobacco Dust on the leaves to drive away both ants and aphids.

In general Tobacco Dust can be used with good results wherever there are lice, green flies or black flies. To some extent it will free plants from red spider, and if used early enough will give immunity from rose bugs. There need be no fear of using too much, because it does no harm, but is considered a valuable fertilizer.

½-lb. Pkg. 15c; 1-lb. Pkg. 20c; 5-lb. Pkg. 90c

Myers Spray Pumps and Accessories

So many good things come out of spraying that we cannot help but be enthusiastic about it.

When we see an orchard in full bloom early in the spring of fruit trees scattered about some home lot awakening into a mass of scented flowers, we wonder just what the harvest will be.

How many apples will this or that tree have on it when the time comes to pick them?

Or will the pear, plum, cherry or other trees now holding out such wonderful prospects for a bountiful harvest have paying crops and thus help out with the food problem during the months to follow when canned fruits must take the place of fresh ones?

But the day is past when we can stand idly by and let nature alone transform these blossoms into perfect fruit for us.

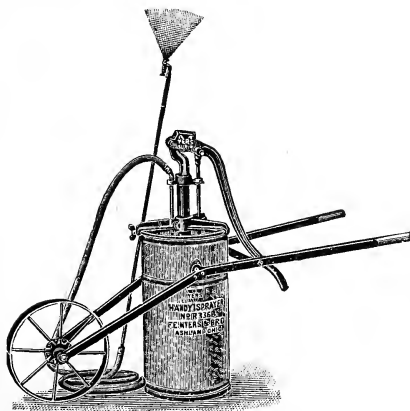
We ourselves must be up and doing if we are to have fruit for the market and for winter storage, or for canning and preserving.

Trees, blossoms, young fruit and even the fruit after it is matured must be guarded and protected from numerous enemies such as scale, fungus diseases, rot, insects and other forces which tend to retard their development and ultimately destroy them entirely.

Protection of this kind can be given in two ways, both of which are essential—pruning is important—spraying is necessary. Trim your trees occasionally but spray them regularly, and the results will pay you for your time and trouble.

So complete is the **MYERS LINE OF SPRAY PUMPS AND NOZZLES** that few indeed are the requirements that cannot be met from it.

Besides, most styles of Myers Pumps are adapted for spraying cold water paints, whitewashing and applying disinfectants, sprinkling, washing windows, fighting fires and innumerable other uses, making them doubly valuable and very handy to have about.



MYERS PORTABLE With Cog Gear Spray Pump and Dasher Agitator

The pump is fitted with cog gear handle and dasher agitator. It is securely attached to the tank by means of a clamp connected direct to the channel iron that surrounds the top of the tank, held in position by means of one thumb screw. The handle can be located at any point desired. Suitable for greenhouse work, spraying trees, whitewashing, painting, spraying cattle and hogs; recommended for outside work.

No. R336B—Capacity 12½ Gallons,
Extra Heavy Galvanized Iron, 15 ft.
½ in. 5-Ply Discharge Hose, 8 ft. Ex-
tension and Vermorel Nozzle, \$30.00

LITTLE GIANT

No. 327½—26½ in. High, 2 Brass Cylinders, 1½ in. Diameter, Brass Ball Valves, Patent Agitator, Cast Brass Base, Malleable Iron Foot Rest, 3 ft. Rubber Hose, Complete with Imperial Combination Fine, Coarse Spray and Solid Stream Nozzle.....\$5.00

Will throw a solid stream of 50 feet. For washing windows and buggies, extinguishing fires, sprinkling lawns, flowers, etc.

MYERS COG GEAR

For Pail or Bucket

The Large Cylinder in combination with the Cog Gear Handle makes this an exceptionally easy working pump of more than ordinary capacity.

No. 327½ No. R324—33 in. High, Brass Cylinder 1½ in. Diameter, 6 in. Long, with Solid Brass Plunger, Brass Ball Valves, Air Chamber and Discharge Hose, Malleable Iron Foot Rest, Head and Cog Gear Handle, Patent Jet Agitator, Complete with Detachable Hose and Graduating Vermorel Fine, Sprinkling and Solid Stream Nozzle\$7.75

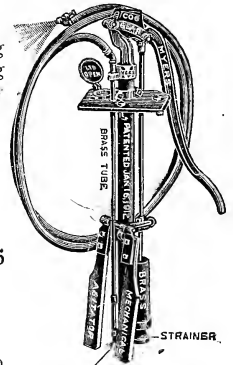
MYERS COG GEAR

For Barrel

The construction is such that the entire pump sets inside the barrel containing the liquid, being bolted fast at its upper end to the head of the barrel.

By this the working parts are entirely submerged in the liquid that is to be sprayed, thereby avoiding all possibility of losing priming, doing away with the necessity of a suction pipe, placing the agitator in the bottom of the liquid in a simple form and also doing away with a great number of complicated parts. Base fits 8x8 in. hole.

No. R318B—42 in. High, Brass Cylinder, Brass Plunger with Hemp Packing, Bronze Ball Valves, Valve Seats and Discharge Pipe, Malleable Iron Base, 32 in. Air Chamber Enabling the Pump to Throw a Uniform, Constant and Elastic Spray, with Both Jet and Mechanical Agitator, Will Handle Hot, Cold or Any Caustic Mixture, Complete with 15 ft. ½ in. 5-Ply Discharge Hose and Graduating Vermorel Nozzle\$18.00



PAT JET AGITATOR
No. R318B

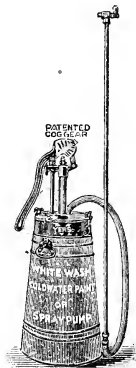


No. R324

MYERS WHITE WASH, COLD WATER PAINTING MACHINE AND GENERAL PURPOSE SPRAYER

With easy operating Cog Gear Pump, Fitted with Patent Double Agitator. Tank is made of heavy galvanized iron with wide bottom so as to set steady in operation. Cover is removable and is held securely in place by two thumb nuts. Pump used is No. R324, described above, fitted with Bordeaux Nozzle, Brass Ball Valves and has both Jet and Dasher Agitators.

No. R329—Pump Has 1½ in. Cylinder, Complete.....\$15.00

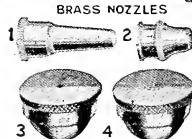
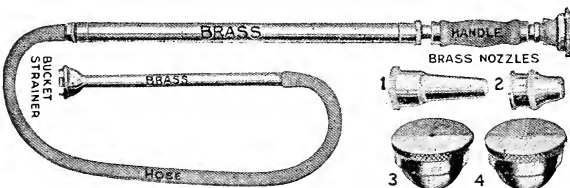


No. R329

STANDARD

Not a double acting pump, as it sprays on the down stroke only. By making the return stroke quickly, however, practically a continuous flow of spray will be the result.

No. 45—27½ in. Long Over All, Heavy Gauge Brass Cylinder, 18 in. Diameter, Two Solid Brass Ball Valves, no Leather Suckers to Dry Out and Rot, Complete with 3½ ft. Hose and Three



in. Long, 1½ in. Diameter, Heavy Brass Plunger ¾ in. Diameter, Two Solid Brass Ball Valves, no Leather Suckers to Dry Out and Rot, Complete with 3½ ft. Hose and Three

Nozzles, No. 1 Throws a Straight Spray to Top of Highest Tree, No. 2 Throws a Straight Stream 50 to 60 ft., No. 3 Throws a Fine Mist Spray.....\$5.00
 No. 1SP—Potato Attachment, 19 in. Long, with Curved End, Adapts the "Standard" for Spraying Potatoes or Vegetables at the User's Side.....\$1.00
 No. 1SK—Knapsack, Capacity 5 Gallons, Heavy Galvanized Iron, with Shoulder Strap and Brass Strainer Filler Cap Ready for Attaching to the Standard Spray Pump..\$4.50
 No. 1SN—Extra Nozzles, Nos. 1, 2 and 3 as Described Under No. 1S...Per Set, \$1.25

Spray Nozzles

SPRINKLING



Brass
 No. 548—For Sprinkling, Fitted for $\frac{1}{4}$ in. Pipe, Regularly Supplied with No. 327 $\frac{1}{2}$ Spray Pumps, Fits all Other Pumps Using a $\frac{1}{4}$ in. Pipe Thread Connection\$0.35

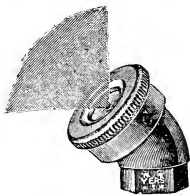
IMPERIAL

Brass
 No. 642—Will Throw a Fine, Mistlike Spray, Can be Cleaned by Simply Removing Cap, Fitted for $\frac{1}{4}$ in. Pipe, Regularly Supplied with No. 327 $\frac{1}{2}$ Spray Pumps, Fits all Other Pumps Using a $\frac{1}{4}$ in. Pipe Thread Connection\$0.50



Brass
 No. 1290—Removable Steel Disc, Rubber Washer, throws a Fine, Mistlike Spray, has Capacity of Three Ordinary Nozzles, $\frac{1}{4}$ in. Thread, Fits All Pumps Using $\frac{1}{4}$ in. Pipe Thread Connection\$0.70

Brass
 No. 1559—45 Degrees, Fitted with Removable Steel Disc in the Cap which can be Easily Replaced when Worn, Capacity Equal to Three Ordinary Nozzles, Especially Adapted for Use in Connection with Power Spray Pumps, but Can Also be Used on Spray Rigs, $\frac{1}{4}$ in. Pipe Thread.....\$0.80



VERMOREL

Graduating, Brass

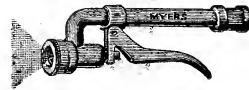
No. 1564 — Graduating, Will Throw a Fine Mist up to a Solid Spray or Can be Shut Off Entirely by Adjusting the Screw Plunger by Means of a Thumb Nut, $\frac{1}{4}$ in. Pipe, Fits All Pumps Using $\frac{1}{4}$ in. Pipe Thread Connections\$0.90



Regular, Brass

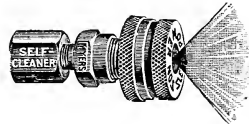
No. 1563—Regular, Same General Description as No. 1564 Except that Disgorger is Operated by Spring Instead of Screw Plunger\$0.90

SPECIAL



No. 1878—For Use on Any Hand Spray Pump or Compressed Air Sprayer, Throws Broad-Fine Spray and a Long Distance Spray, Operated by Closing and Opening Hand, $\frac{1}{4}$ in. Standard Pipe Thread\$1.60

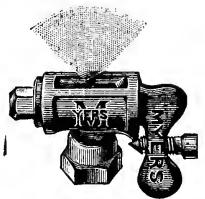
POWER NOZZLE



No. 1317—With Self-Cleaner or Disgorger, Especially Adapted for Use on Power Spray Pumps, Is Equal to Three Ordinary Nozzles, Easily Cleaned, Standard $\frac{1}{4}$ in. Pipe Thread.....\$1.20

BORDEAU

No. 2097—Will throw a Fine Fan Shaped Spray and Will Readily Free Itself by Turning Cock Handle, will Throw a Solid Stream or May be Shut Off Altogether, has Double Face, Standard $\frac{1}{4}$ inch Pipe Thread\$1.10



CYCLONE



No. 550 — Side Outlet, Standard $\frac{1}{4}$ inch Pipe Thread\$0.60

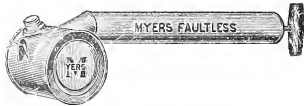
PIPE EXTENSIONS

Made of $\frac{1}{4}$ in. Steel Pipe Threaded at Both Ends and Fitted with Coupling, without Nozzle.

No. 480-4—Length 4 ft.....\$0.40
 No. 480-8—Length 8 ft......60

Sprayers

FAULTLESS ATOMIZER



Adapted for the destroying of insects, applying disinfectants to buildings, bushes, etc., also for applying fly chasers to animals and applying light floor oil. The tapering point to the air chamber gives great force to the spray.

- No. 1—Capacity 1 Quart, 1¾x14½ in. Barrel, Tapering at Point, Spring Wire Piston Rod, Cup Leather Plunger, Throws a Spray as Fine as Mist, All Tin....\$0.50
- No. 2—All Brass, otherwise same as above..... 1.40
- No. 4—Galvanized Can, Tin Tube, same as above..... .60

MIDGET

A small, compact, well made Sprayer, especially adapted for use in and about the home. Nose of Pump passes through Top of Tank, keeping Air Nozzle and Spray Tube always in line.



- No. 202—Capacity ¾ Pint, Heavy Tin, 1¾x10 in. Pump, 3x3 in. Tank, Lock Seamed and Thoroughly Leak Proof, Length Over All 14 in.\$0.35

CONTINUOUS

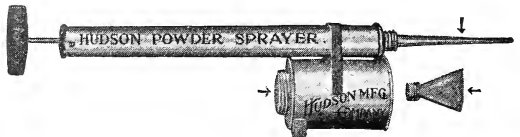


Delivers a fine even spray continuously. Construction permits it to operate in any position. Syphon Tube and Check Valve are removable.

- No. 424—Heavy Tin, Capacity 1 Quart, 1¾x14 in. Pump, 4x4½ in. Tank, Double Seamed and Thoroughly Soldered, Complete with 1 Straight and 1 Angle Nozzle Cap\$0.75
- No. 424G—Galvanized, otherwise same as No. 424..... .85

POWDER

Built to drive the powder down into the cracks and crevices thoroughly. Fitted with a long pointed tube and also a fish tail spreader. Pump is securely soldered to tank and reinforced by a heavy metal strap.

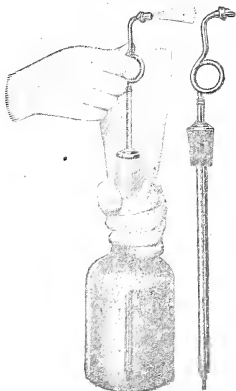


- No. 653—Heavy Tin, Capacity 1 Pint, 1½x10 in. Pump, 3x4 in. Tank with Special Filler Cap in End, Lock Seamed and Thoroughly Leakproof.....\$0.45

BOTTLE

Easy to operate and is provided with cork which fits any ordinary quart bottle. Excellent for spraying disinfectants in homes, schools and hospitals and for plants and flowers.

- No. 65—Nickel Plated, Made of Two Brass Tubes, 1 Telescoping the Other, Brass Valves, Brass Nozzle is Adjustable for Fine Mist or Coarse Spray.....\$1.25



THINK OF SEEDS,
PLANTS, BULBS, FRUIT TREES AND SHRUBS
—THINK OF BARRETT'S

Sprayers

HUDSON PERFECTION

- No. 110G—Galvanized Steel Tank, Lock Seamed with 26 Rivets, 20 in. High, 7½ in. Diameter, Capacity 4 Gallons, Heavy 1¾ in. Seamless Brass Pump Tubing with Brass Valves, 5-16 in. Pump Rod Filled with Anhydrous Leather, with Special Metal Expander, Heavy Shoulder Strap Attached with Snaps, ¾ in. 5-Ply Cloth Inserted Hose Equipped with Automatic Shut-Off Nozzle.....\$ 6.75
- No. 110B—Brass Tank, otherwise same as above..... 10.00



HUDSON JUNIOR

- No. 140G—Galvanized Steel Tank, 17 in. High, 6½ in. Diameter, Capacity 2½ Gallons, Heavy 1¾x15 in. Seamless Brass Tubing Pump, Positive Action Brass Valve, Plunger Equipped with Hudson Special Cupped Leathers, Heavy Shoulder Strap Attached with Snaps, Complete with Special Sprayer Hose and Automatic Shut-Off Nozzle.....\$ 5.40
- No. 140B—All Brass, otherwise same as above..... 8.00

DUSTERS

FEENY MODEL B



FEENY MODEL B

The slightest movement forward of the piston produces a dust cloud of the highest type. This is due to the perfect compression which is accomplished in no other dusting device. Can be regulated from the thinnest "haze" to a large cloud depending on force of stroke.

No other duster has the patented piston packing features of the Model B Duster which causes it to move such an equal volume of air.

The dust cloud covers every surface of the thing to be dusted, top, side, underside and all. It is better than a sprayer for killing bugs and insects in the garden as it is cleaner, easier and more convenient.

Besides applying all sorts of insecticides and fungicides to gardens, flowers, trees and shrubs it is ideal for killing flies, roaches, lice, etc.

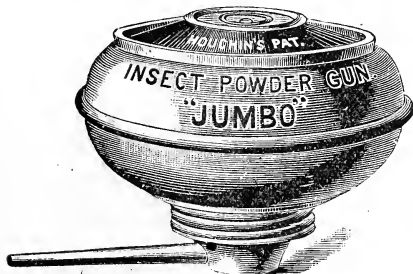
Model B—Length 11 in.....\$1.25

INSECT POWDER GUNS WHIRLWIND

- No. 1007—Gold Lacquered Tin, Capacity 4 oz. Powder, 4 in. in Diameter, 2½ in. Deep, Opening for Powder 1½ in. in Diameter\$0.50

CYCLONE

- No. 999—Bright Tin, Capacity 2 oz. Powder, 3¾ in. Diameter at Top, 1¾ in. Deep, 1½ in. Diameter Opening for Powder\$0.35





Trellises

Adjustable, Sectional, Fans Arches and Pergolas

THE MOST HUMBLE DWELLING CAN
BE MADE ATTRACTIVE BY THE USE
OF TRELLISES FOR YOUR VINES.

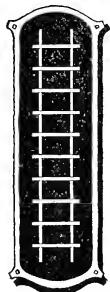


No. 4

No. 4—Sectional

This is an exceptionally fine Trellis. Is made for those who want something better than the ordinary. Well painted; each section is 17½ in. wide and 8 ft. tall. You can build your trellis as narrow or as wide as you want by using 1, 2 or 3 or as many sections as you desire.

\$1.80 per Section



No. 5

No. 5—Sectional

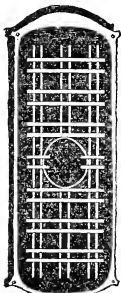
Same dimensions as No. 4; well painted. Can be used in various ways, same as No. 4, although not so elaborate. No use using baggy, saggy, rusty poultry netting for your vines when you can buy a real ornament at these prices.

90c per Section

No. 14—Sectional

As will be readily seen this trellis is very similar to our No. 4 trellis, only it is 35 in. wide instead of 17½, thus giving just double the amount of trellis in size for one-third additional cost. Uprights in this trellis are set in edgewise, thus making it more rigid.

\$2.70 per Section

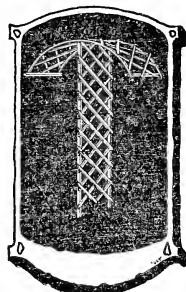


No. 14

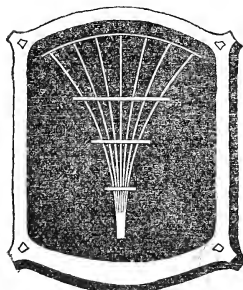
No. 11—Round Top Pergola

Here is one of the most beautiful lawn pieces imaginable. This piece is suitable for a single rose bush or vine of any kind, while the arches are more adapted to taking care of two plants, on either side of a walk, gate or door. 7 ft. high, span across top 5 ft., width 32 in.

Price \$4.95 Each



No. 11

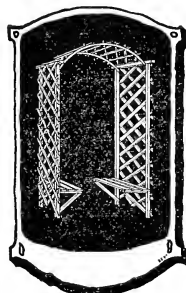


Fan Trellis

Ornamental Fan Trellis

A very neat lawn ornament; well painted. Shipped straight, an easy matter to spread out and attach cross pieces.

No. 6—6 ft. tall,
spread 45 in., \$1.35
No. 7—8 ft. tall,
spread 60 in., \$1.65
No. 8—5 ft.75c



No. 9

No. 9—Round Top Arch

Uprights 6 ft. 2 in., 7 ft. high at center, spread 4½ ft. wide, 32 in. deep. Bows across top are made of ¾-in. galvanized tubing and firmly bolted to uprights.

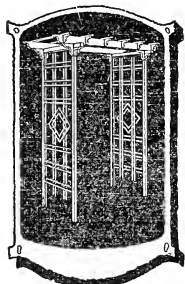
Price, without seats, \$8.40
Price, with seats, \$9.90

No. 12—Pergola De Luxe

Good enough for the millionaire and cheap enough for the ordinary fellow. Uprights 2x2, cross pieces 2x4, well painted.

7 ft. high,
8 ft. across top, \$12.90

7 ft. high,
10 ft. across top, \$13.80

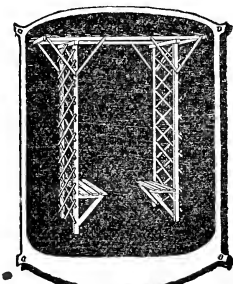


No. 12 DeLuxe

No. 10—Straight Top Arch

Adjustable in width from 4 ft. 2 in. to 6 ft. by simply boring four holes nearer the end.

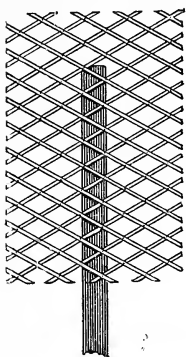
Height, width and prices same as No. 9.



No. 10

ADJUSTABLE TRELLISES

- No. 1—35 in. wide when folded; 30 in. wide if extended 8 ft. 20 in. wide if extended 12 ft. Price, painted white..\$1.35
 No. 2—47 in wide when folded; 40 in wide if extended 8 ft. 30 in. wide if extended 14 ft. Price, painted white.. 1.80
 No. 3—71 in. wide when folded; 63 in. wide if extended 8 ft. 32 in. wide if extended 16 ft. Price, painted white.. 2.40



CLARINDA LAWN MOWERS

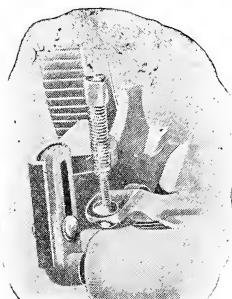
Two Perfect Devices That Simplify and Improve Clarinda Mowers

Blade Adjustment—This illustration shows how the adjustment is made. A simple turn up or down on one bolt, the bolt head is easily reached with the ordinary small wrench. You can watch the adjustment and see the movement of the cutter bar.

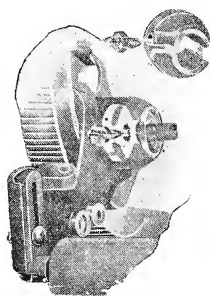
The two threaded surfaces work together, the small bolt inside of larger getting the very finest adjustment. Before making adjustments make certain that the reel shaft bearings are tight.

Bearing Adjustment—The illustration here shows the simple principle of bearing adjustment as perfected in the Clarinda shops.

The bearing presents a broad wearing self-aligned surface. This distributes the friction over a wide surface, doing away with excessive wear at any one point.



Blade Adjustment



Bearing Adjustment

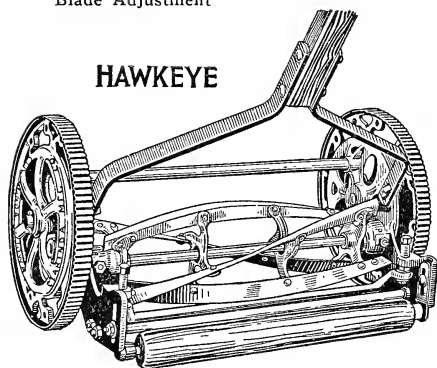
Particularly adapted for heavy hand usage, such as park, cemetery, large lawn and club ground work. The 12 in high wheels give the reel a very high speed.

12 in. Diameter Driving Wheels, 6 in. Diameter Reel, Compulsory Operating Ratchet, Hardened Steel Pawl, Four Crucible Steel Oil Tempered Reel Blades, Raised Edge Self-Sharpening Screwed on Bottom Knife of Oil Tempered Crucible Steel, Silver with Gold Trimmings, Blue Wheels.

Plain Bearing

Width of Cut, Inches.	16	18	20
Each, Plain Bearing...	\$17.25	18.00	18.75

HAWKEYE



Powerful, yet light in weight and easy running. Similar to the Hawkeye, but lighter in weight—for use on ordinary sized lawns.

11 in. Driving Wheels, 6 in. Diameter Reel, Compulsory Operating Ratchets, Hardened Steel Pawl, Four Crucible Steel Reel Blades, Self-Sharpening Raised Edge Bottom Knife of Oil Tempered Crucible Steel, Bright Red Wheels, Gold Trimmings.

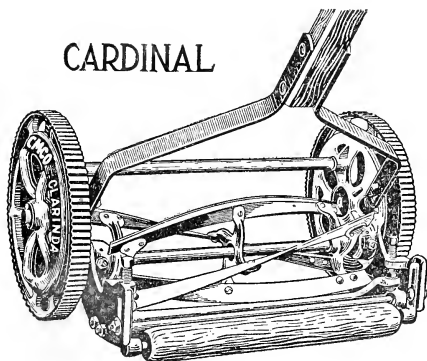
Plain Bearing

Width of Cut, Inches.	16	18	20
Each	\$15.75	16.50	17.25

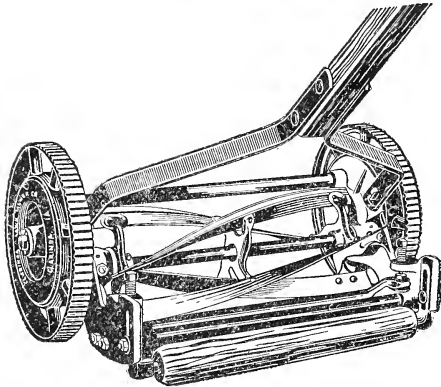
Ball Bearing

Width of Cut, Inches.	16	18
Each	\$17.25	18.00

CARDINAL



Clarinda Lawn Mowers



BLUE BELL

Designed to be used on terrace and lawns alike, and cuts the lawn smooth.

10 in. Diameter Driving Wheels, 6 in. Diameter Reel, Compulsory Operating Ratchet, Hardened Steel Pawl, Four Crucible Steel Oil Tempered Reel Blades, Raised Edge Self-Sharpening Screwed on Bottom Knife of Oil Tempered Crucible Steel, Blue Finish with Gold Trimmings.

Plain Bearing:

Width of Cut, Inches.	14	16	18
Each	\$12.00	\$12.75	\$13.50

Ball Bearing:

Width of Cut, Inches....	16	18
Each	\$14.25	\$15.00

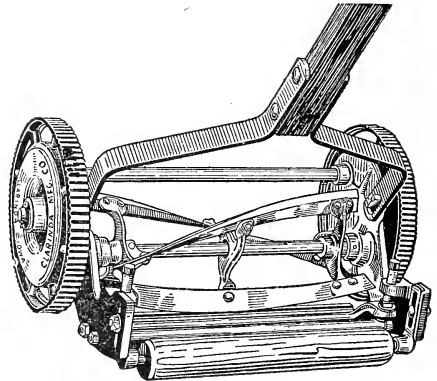
VICTORY

Has same easy adjustment, same self-sharpening bed knife as the rest of the line, but is lighter in construction and with only three cutting blades.

Plain Bearing.

8½ in. Diameter Driving Wheels, Compulsory Operating Ratchets, Hardened Steel Pawl, Three Hardened Steel Reel Blades, Diameter of Reel 6 in., Extra Tie Bar, Raised Edge Self-Sharpening Bottom Knife, Screwed On, Geared on Both Sides, Green Wheels, Gold Body.

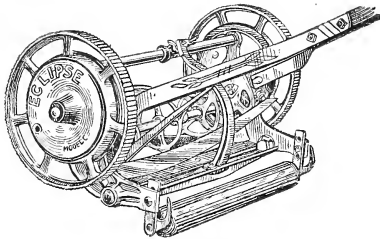
Width of Cut, Inches.....	14	16
Each	\$9.75	\$10.50



ECLIPSE

The Eclipse Mower is built for use on large lawns, parks, cemeteries, golf links, etc. High wheels, built strong—made of the very best lawn mower materials known. All adjustments easily made—both ends of cutting bar are adjusted alike and at the same time by the turning of a simple thumb nut.

16 in., \$19.00. 18 in \$20.00. 20 in., \$21.00



GRASS CATCHERS

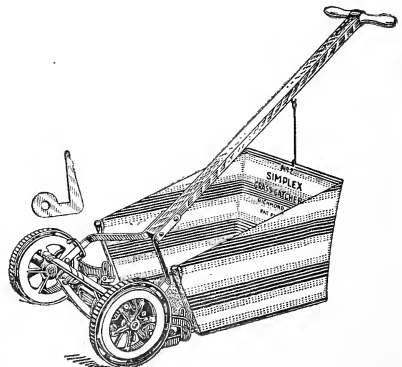
Perfection—16 in. deep

Extra Heavy white duck, heavy galvanized non-skid iron bottom, heavy galvanized wire frame, adjustable steel hooks, will fit any make of mower and always in position to receive catcher.

No. 301—Adjustable for 12 to 16 in.
Mowers, price\$1.75

No. 306—Adjustable for 16 to 20 in.
Mowers, price 2.00

No. 205—13 in. deep, made of fine quality white canvass, heavily galvanized wire frame, adjustable steel hooks, will fit any mower made. Adjustable for mowers 16 to 20 in..... 1.25



Garden Hose

ELECTRIC CORRUGATED



Two Braid, Dark

The original and best braided and moulded Rubber Hose, made from new East Indian Plantation Rubber, no shoddy rubber used.

5/8 in. Less than 50 ft., Price per ft...22c
50 ft. and more, Price per ft...21c

BLACKBIRD CORRUGATED

Two Braid, Dark, Fine Corrugations

Represents very good quality and exceptional lasting ability.

Less than 50 ft.	1/2 in.	5/8 in.	3/4 in.
Price per ft.	13c	15c	17c
50 ft. and more			
Price per ft.	12c	14c	16c



REDBIRD CORRUGATED

Two Braid, Red, Fine Corrugations

Same construction as Blackbird except for color.

5/8 in. Less than 50 ft., Price per ft...16c
50 ft. and more, Price per ft...15c



BLACKBIRD CORRUGATED

One Braid, Dark Coarse Corrugations

Single braid fabric of heavy cotton cord, good quality rubber cover.

Less than 50 ft.	5/8 in.	3/4 in.
Price per ft.	13c	15c
50 ft. and more		
Price per ft.	12c	14c



To determine the relative efficiency of different sizes of Garden Hose, the following test was made, from which it will be seen that, for all practical purposes, 5/8 inch is fully equal to 3/4 inch hose.

Experiments Made May 25, 1922, to determine relative capacity of 1/2, 5/8 and 3/4 inch Garden Hose under like conditions:

Size of Hose	1/2"	5/8"	3/4"
Water Pressure on Main	50 to 54 lbs.	50 to 54 lbs.	50 to 54 lbs.
Average Time to Fill 50 Gallon Tank with Nozzle on Hose	8 1/4 min.	7 3/4 min.	7 1/2 min.
Without Nozzle	6 1/4 min.	5 2-3 min.	5 1/2 min.

HOSE WASHERS—Good Luck Rubber

Tough, live, springy rubber that stays soft and holds firmly in place. For 1/2 in., 5/8 in. and 3/4 in. hose. 12 in a box.....10c

Keep Your Hens Laying With *Conkey's* Poultry Tonic

This great egg producer supplies a tonic and regulator that a hen needs in order to be a real big egg producer.

Gets eggs by cleaning blood, toning up system, stimulating natural processes, helps prevent disease by keeping hens vigorous.

Nothing harmful—just good medicine.

25c and 50c packages. Buy it by the pail—cheaper that way.

ASK FOR CONKEY'S POULTRY BOOK—IT IS FREE

Hose Reels

TUBULAR, ALL METAL

Reeling or unreeling is very easy. The frame can be tilted down to the ground and forms a stand in which the reel revolves. Large rims forming wheels make them easy to carry about.

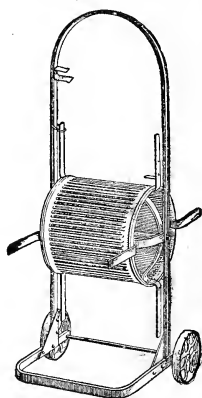
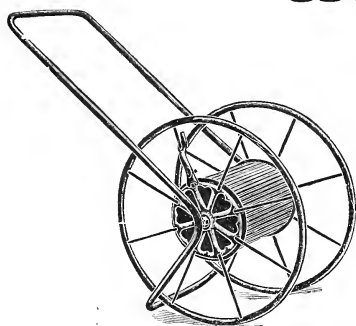
No. 20—Height 20 in., 50 to 100 ft. Capacity, Steel Spokes and Reel Head, Corrugated Galvanized Sheet Drum\$4.50

VICTOR, ALL METAL

Equipped with a Ring on side of frame to prevent reel from unwinding and with holder at top of frame for holding nozzle when spraying.

Green Enameled Frame, Wheels and Reel Black.

No. 10—Channel Steel Frame, Strong Cast Iron Wheels, Solid Steel Reel Arm, 9 in. Heavy Corrugated Steel Drum, Capacity 50 to 75 ft. $\frac{3}{4}$ in. Rubber Hose.....\$2.75



Hose Menders

PERFECT CLINCHING



Only a hammer is needed to bend down the clamps. Whether the hose be old or new, thick or thin, it adjusts itself to it and makes a mend that will not leak and cannot pull apart.

Brass Tube and Galvanized Steel Clamps

For Hose, Inches...	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{3}{4}$
Price, Each	15c	15c	15c

Hose Couplings

CAST BRASS

No. 17—H. P. T., for Garden Hose

Size Hose, Inches...	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Price, Each	25c	25c	25c

Lawn Sprinklers

ARMSTRONG ORIGINAL FOUNTAIN

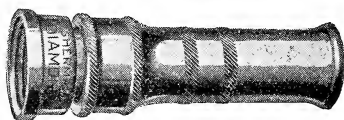


Sprinkles a full circle with mist-like spray. No moving parts, simple and efficient.

Brass—8 in. Diameter.....\$1.00

Hose Nozzles

DIAMOND



Wrought Brass, Polished

Lighter in weight, stronger and more durable than a cast nozzle and is absolutely free from sand holes. Can be adjusted to a spray, straight stream or shut off.

$\frac{3}{4}$ in. Size, Hose Thread, Constructed with Pilot to Guide the Spray Point and Keep it in the Center, Heavy Knurl65c

ARMSTRONG HALF-FOUNTAIN

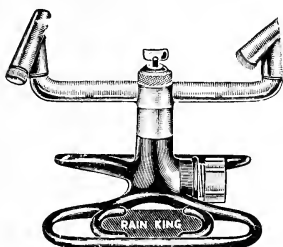


Sprinkles a half circle only. Can be picked up without shutting off the water.

Brass—5x $\frac{3}{4}$ in.\$0.85

Lawn Sprinklers

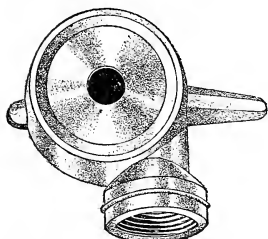
RAIN KING



Turning hand wheel releases sprinkler for revolving spray or locks it for stationary use. Nozzles turn in any direction. Their weight and balance on ends of sprinkler arms give the same principle of operation and advantage of an engine fly-wheel.

Solid Brass nozzles, bushings and hand wheel. Base and sprinkler arm heavy castings. Painted Green.
Size of Base 6x5 $\frac{3}{4}$ in., Height 5 $\frac{1}{2}$ in.\$3.50

THOMPSON SIMPLEX

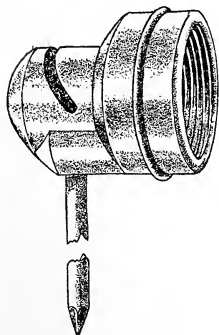


Brass Lined
A lawn sprinkler conforming in many respects to the general type, but with improved construction and better finish.

Particularly efficient with low water pressure.

No. 96—Zinc Body with Polished Brass Head Threaded for $\frac{3}{4}$ in. Standard Hose Couplings.....45c

THOMPSON "FAN"

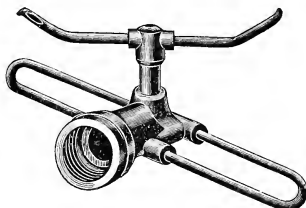


An improved form of the Fan sprinkler with a brass nozzle moulded into the zinc body.

A dense uniform spray is delivered over a semi-circular area
With Spike

No. 165--Threaded for $\frac{3}{4}$ inch Standard Hose Coupling ... 35c

THOMPSON "JUNIOR" REVOLVING



With 50 pounds pressure it will cover a circle about 30 feet in diameter. Revolving type.

No. 130—Sprinkler Head Mounted Directly Upon a Zinc Base with Wire Extensions, Threaded for $\frac{3}{4}$ in. Standard Hose Couplings..\$1.00

THOMPSON SHOWER Brass Lined.

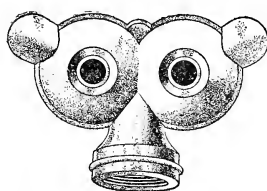
No. 100—Body of Zinc, Die Cast, Perforated Head of Sheet Brass, Water is Delivered Uniformly Over a Large Area, Threaded for $\frac{1}{4}$ in. Standard Hose Coupling50c



THOMPSON TWIN

Brass Lined
This unique type operates perfectly under either high or low water pressure. The water is delivered in a finely divided spray over a large area.

No. 70—Made of Zinc, Die Cast, Threaded for $\frac{3}{4}$ in. Standard Hose Couplings40c



THOMPSON ROSE

Attractive in appearance, efficient in operation and of rugged construction. Meets every requirement of a thoroughly satisfactory article.

Body of Zinc, Die Cast
No. 105—Heavy Polished Brass Perforated Hood, Diameter 2 in., Threaded for $\frac{3}{4}$ in. Standard Hose Couplings40c

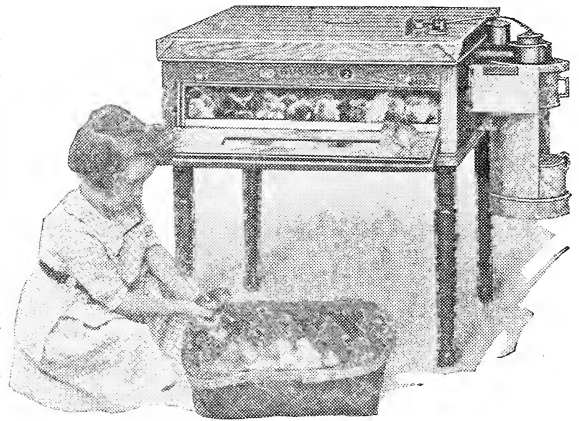


Buckeye Incubators

STANDARD

Case—California redwood is used exclusively in the outside case, which will withstand all kinds of atmospheric changes without danger of wearing, splitting or pulling apart. This lumber is absolutely free from knots or defects of any kind. The inside walls are constructed of seasoned yellow poplar which will also withstand atmospheric changes. The sides and top of each incubator consist of two walls of this lumber, which is one inch thick, and a quarter inch thickness of fibre insulation between the two thicknesses of lumber, which produces a case $2\frac{1}{4}$ inches thick. Each case is carefully dressed and sanded, after which it receives three coats of stain and varnish. The doors are made of two thicknesses of one inch lumber and matched to the case by expert cabinet makers to insure a perfect fit. The center of each door is equipped with a small window protected by two panes of glass with a dead air space between and a wooden door on the outside. This construction permits an easy reading of the thermometer which is placed directly inside of door. Fitted with brass hinges and French spring catches.

Heating System—The Buckeye circulating hot water system consists of a tank suspended above the eggs, a boiler outside the case and two tubes connecting the boiler with the tank. The body of the tank is made of double lock-seamed copper tubing throughout with specially constructed corner pieces which are guaranteed against leakage and breakage. The boiler and connecting tubes are also constructed of pure heavy copper with soldered seams. Each incubator is provided with a boiler six inches deep so that the proper temperature in the egg chamber is easily maintained under all conditions.



Thermostat—The perfect regulation of temperature is made possible by a combination of metals which are so fastened together that the temperature of the egg chamber can be controlled to a fraction of a degree. When the temperature rises even a fraction of a degree the metals expand, and being connected with the damper suspended over the boiler the surplus heat is allowed to escape from the lamp, thereby preventing the temperature from rising beyond the point at which the regulator has been set. Should the temperature fall a fraction of a degree below the required point, the metals contract and allow the damper to drop.

Oil Lamp and Support—The support provides a jacket around the boiler which protects the boiler from outside atmosphere. The lamp bowl is made of galvanized seamless pressed steel and holds nearly two quarts of oil. The chimney is made of galvanized steel with a large isinglass window in front.

With Egg Tester and Egg Tray.

Nos.	1	2	3	4	5
Length, Inches.....	25 $\frac{3}{8}$	30 $\frac{3}{8}$	36 $\frac{3}{8}$	41 $\frac{3}{8}$	54
Width, Inches.....	25 $\frac{3}{8}$	30 $\frac{3}{8}$	36 $\frac{3}{8}$	41 $\frac{3}{8}$	54
Depth of Cabinet, Inches.....	11 $\frac{7}{8}$	11 $\frac{7}{8}$	11 $\frac{7}{8}$	11 $\frac{7}{8}$	36
Capacity, Hen Eggs.....	110	175	250	350	600
Capacity, Duck Eggs.....	85	140	200	280	480
Weight, Each, Lbs.....	104	129	170	206	314
Price.....	\$37.50	\$44.50	\$57.75	\$68.00	\$107.00

Buckeye Incubators

STYLE E

No. 14—Capacity 65 Eggs, Dimensions without Legs 21 x 17 3-16 x 10 $\frac{3}{8}$ in., Complete with Lamp, Thermometer and Egg Tester.....\$16.50

No. 16—Capacity 110 Eggs, Dimensions without Legs 24 $\frac{1}{8}$ x 24 $\frac{1}{8}$ x 10 $\frac{3}{8}$ in., Complete with Lamp, Thermometer and Egg Tester.....\$27.50

No. 17 — Capacity 210 Eggs, Two Trays, Dimensions without Legs 31 $\frac{7}{8}$ x 31 $\frac{7}{8}$ x 10 $\frac{3}{8}$ in., Complete with Lamp, Thermometer and Egg Tester\$36.75

Buckeye "Colony" Coal-Burning Brooder

The simplest and most economical brooder ever invented. Saves time, space and labor.

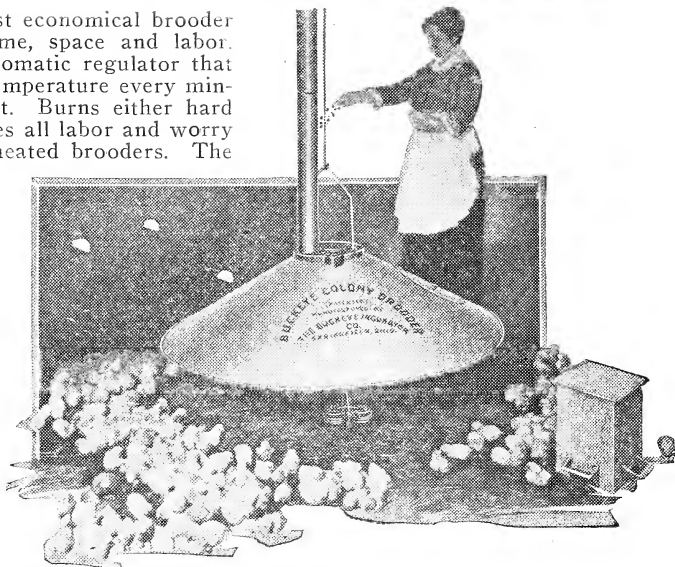
Equipped with an automatic regulator that absolutely controls the temperature every minute of the day and night. Burns either hard or soft coal and eliminates all labor and worry of the older type lamp heated brooders. The only attention necessary is the removal of ashes and filling with coal once or twice a day.

Can be operated in any room—any temperature—with the same uniformly satisfactory results.

Will care for chicks from the time they leave the incubator until they are ready for the laying house.

Stove is of Heavy Cast Iron, equipped with Rocker Grate—Self-cleaning and Anti-clog—and Portable Ash Pan. Equipment includes Rope and Pulleys for Galvanized Steel Canopy.

Hood is constructed so as to throw the heat from the stove evenly over the backs of the chicks, which are warmed by radiated heat exclusively.



Nos.	18	19	25
Capacity, Chicks	500	1000	1200
Height of Stove, Inches.....	20	21 $\frac{1}{2}$	24
Diameter of Base, Inches.....	11	12	14
Diameter of Grate, Inches.....	8 $\frac{3}{4}$	9	10
Diameter of Canopy, Inches.....	42	52	56
Price	\$21.50	\$26.50	\$30.00

Buckeye "Blue Flame"



A High Power Oil-burning Brooder. Simple as an ordinary House Lamp. Equipped with a Blue-flame Burner that is absolutely Smokeless, Odorless and Noiseless.

Self-feeding, Self-regulating, Simple, Safe and Durable.

Equipped with a Self-feeding Oil-container holding 1 gallon. The Fuel Capacity is ample

for 12 Hours in the Larger Sizes and 24 Hours in the Smaller Sizes.

Nos.	27A	28A	29A
Capacity, Chicks	200	350	500
Diameter, Inches	34	42	52
Price	\$17.50	\$20.00	\$22.50

Buckeye Lamp-Heated Portable



Brooder Body is supported by Three Cast Iron Legs that are rigidly secured but easily detachable. The Lamp Support is free from floor and welded to the plate above.

Door to Lamp Chamber is of Galvanized Steel with large peep-hole. Seamless Galvanized Steel Lamp Bowl with Miller Burner. Heavy Brass Lamp Fittings, Sturdy Black Iron Chimney. Thermometer is at same level with Chicks.

Interchangeable Curtain. Equipped with Ventilated Lamp Chamber, which conducts gases outside of Brooder.

28 Gauge Galvanized Steel Outside Shell, 28 Gauge Black Iron Inside Shell.

Nos.	20	21	22
Diameter, Inches	19	22	30
Capacity, Chicks	60	100	150
Price	\$11.75	\$15.50	\$19.00

WRITE FOR FREE ADVICE

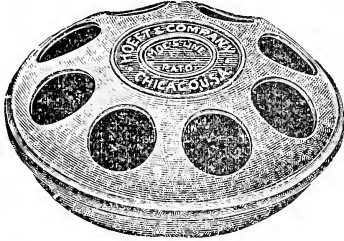
Our connection with the G. E. Conkey Co., who for more than a quarter of a century have stood high in the poultry world, of their ability and willingness to help in time of need, enables us to advise you, through Mr. Conkey, free of charge, what to do when disease and epidemic break out in your poultry flock.

We cordially invite you to write fully and as often as you like.

BARRETT HARDWARE CO.

Poultry Supplies

ROUND BABY CHICK FEEDER



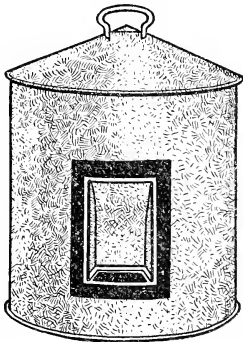
A great feed saver as the chicks cannot get into it and contaminate the feed.

Can also be used for water or milk. Chickens cannot upset it.

Top fits snugly, yet can be easily taken apart for cleaning and filling.

Nos.	11	12
Number of Holes.....	8	12
Diameter, Inches	6	8 3/4
Price	\$0.15	\$0.25

ROYAL SANITARY THERMIC FOUNTAIN



In summer weather it insures good, clean, cool water at all times. In cold weather it keeps the water at the right temperature.

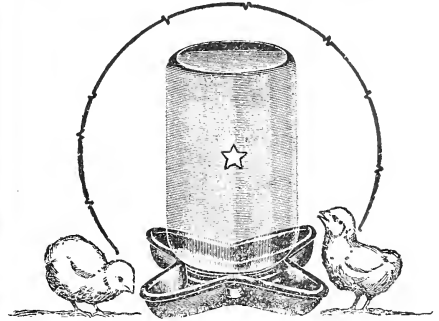
Warm water in winter means more eggs at higher prices.

Easy to fill and clean. Inserted drinking pocket keeps dirt and litter out.

Galvanized Iron Body, Malleable Handle, Well Insulated

Nos.	2.	3	5
Capacity, Gallons ..	2	3	5
Price	\$3.50	\$4.00	\$5.00

MOES STAR FOUNTAIN

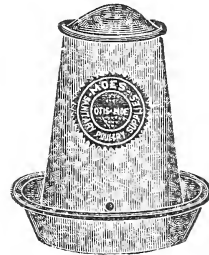


No Solder, Seams or Loose Parts

Made of a single piece of heavy metal and is suitable for feed as well as water. Little chicks cannot fall in water and drown.

No. 32—Non-Rusting, Will Fit Any Size Mason Fruit Jar, Provides Greater Drinking Surface. Price —Without Jar10c

MOES BOTTOM FILL



Made in two pieces; easily filled and cleaned. Round taper shape prevents bursting from freezing.

Galvanized Iron

Nos.	19	20	24
Capacity, Quarts ...	1	2	4
Height, Inches	6	8	9 1/2
Price	\$0.35	\$0.45	\$0.60

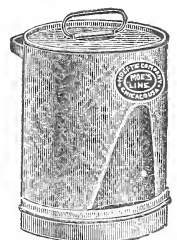
MOES WALL FOUNTAIN

Can be hung on wall, up out of litter.

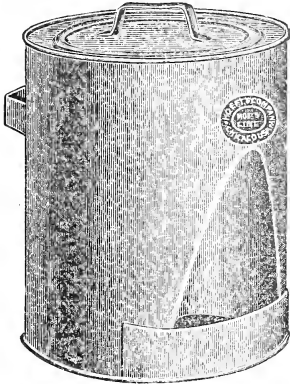
Made with removable bottom, so that all parts may be easily cleaned and kept in a sanitary condition.

Heavy Galvanized Iron

No. 26—Capacity 1 Gallon75c



MOES WALL FOUNTAIN

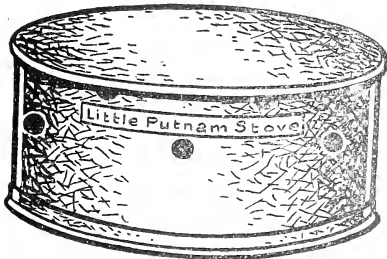


A large capacity fountain and a style that appeals to many breeders, as it is strong and substantial. Excellently adapted for watering pigeons. Easily filled and nothing to get out of order.

Heavy Galvanized Iron.

No. 74—Capacity 5 Gallons, Height 13 in., Diameter 11 in.....\$1.95

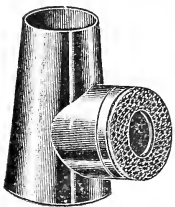
LITTLE PUTNAM STOVE



Holds three pints of oil and burns a month without attention. A wonderful little heater for the home-made warm water drinking fount, home-made oat sprouter, and home-made brooder.

Price, \$2.50

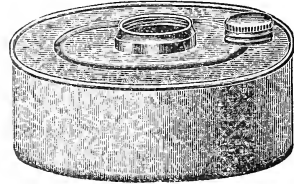
EGG TESTERS MOES



To test the fertility of eggs during the period of incubation. Will illuminate the interior of the egg and show if the chick is alive, also shows size of air cell in the egg.

No. 48—Used in a Dark Room with an ordinary Lamp, No. 2 Burner, \$0.30

LAMP BOWLS MOES



For incubators, brooders and fountain heaters. No give or spring to the bottom which is a common fault with ordinary bowls.

Nos. 101 and 102 are strongly braced and reinforced on the inside—adding rigidity.

Galvanized Iron.

Nos.	100	101	102
Diameter, Inches ..	6	7	8
Height, Inches	1½	2½	2¾
Takes Burner, Size.	1	2	3
Takes Chimney, Size	1	2	3
Price	\$0.50	\$0.60	\$0.75

Bowls—for all Buckeye Incubators, \$1.00

METAL CHIMNEYS MOES

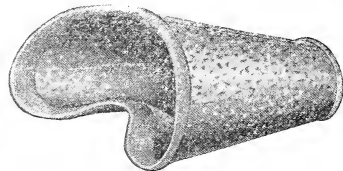


For incubators and brooders. Mica window can be easily replaced should it accidentally become broken.

Galvanized Sheet Steel,
Round Mica Window

Nos.	108	103	104
Height, Inches	6	6	6
Fits Burner, Size...	1	2	3
Each	\$0.30	\$0.30	\$0.30
Chimneys—for Buckeye Incubators, 50c			
Lamp Burner No. 35 for Buckeye Incubators, Nos. 1, 2, 14 and 16...			\$0.75
Nos. 3, 4, 5 and 17.....			1.00

BUCKEYE EGG TESTER



The Buckeye Egg Tester is a simple device that anyone can use intelligently and, being made of heavy steel, it cannot wear out or get out of order.

By placing the egg at the small end of this tester, and looking through the large end toward the sun or any artificial light, the contents can clearly be seen, and the progress of incubation easily followed. Price 50c.

DRY MASH HOPPERS

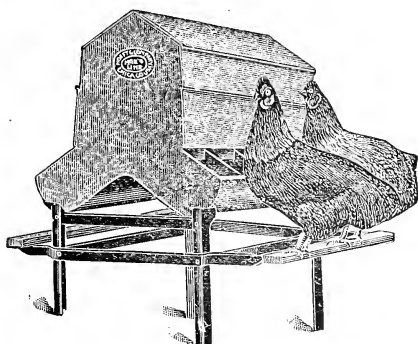
MOES MAMMOTH

Will accommodate a full 100 lb. bag of mash, doing away with the annoyance and waste of having a partly empty bag of mash on the premises. The feed is within easy reach of the chickens, and is protected from the weather and from the ravages of rats and mice.

The taper shape and interior construction provides a uniform automatic feed, and the wire grid and cross wires prevents any waste.

The stand is of heavy angle iron, painted, and has wooden bars for the poultry to rest on when feeding.

A large capacity hopper, built on correct principles and is strong and substantial in every detail.



Heavy Galvanized Iron Hopper

Nos. 3—Capacity 100 Lbs., Length of Hopper 35 in., Width 21 in., Height 18½ in., Height of Stand 15½ in., Total Height 34½ in. \$12.00

DRY MASH HOPPERS

MOES

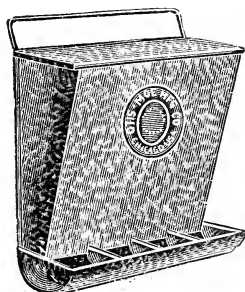
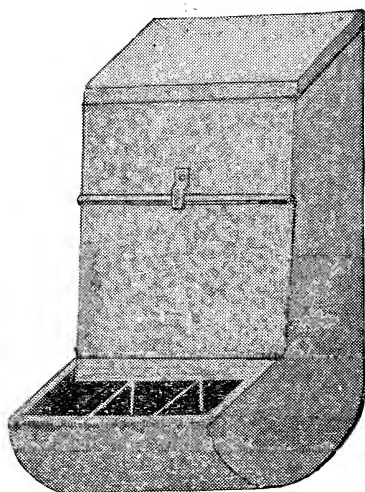
All parts of this hopper are accurately stamped with dies. The curved bottom keeps feed in easy reach of the birds, and the taper shape of the hopper—large at the bottom—prevents feed from clogging.

Wire grid and wires running from the flange through the wire grid prevent fowls from throwing out or wasting the feed. Sloping top prevents them from roosting on the hopper.

Rat, mouse and weather proof.

Heavy Galvanized Iron

Nos.	35	36	37
Capacity, Quarts	10	14	22
Height, Inches	19	19	19
Width, Inches	8½	12	24
Price	\$1.50	\$2.00	\$2.40



GRIT AND SHELL BOXES

MOES

The feeding of grit, ground shells, and charcoal is now recognized as an essential part of the diet, to keep fowls in healthy, prime condition. There is no more economical method of supplying grit, etc., than with these practical, inexpensive compartment boxes. No solder used in their construction.

Can also be used as feed hoppers for little chicks.

The No. 45 for baby chicks has a square bottom, the other sizes have round bottoms.

Nos.	45	9	90
No. of Compartments	2	3	4
Height, Inches	8	13	13
Width, Inches	5	8½	11
Price	\$0.40	\$0.90	\$1.25

FEEDING TROUGHS

MOES SINGLE



MOES DOUBLE

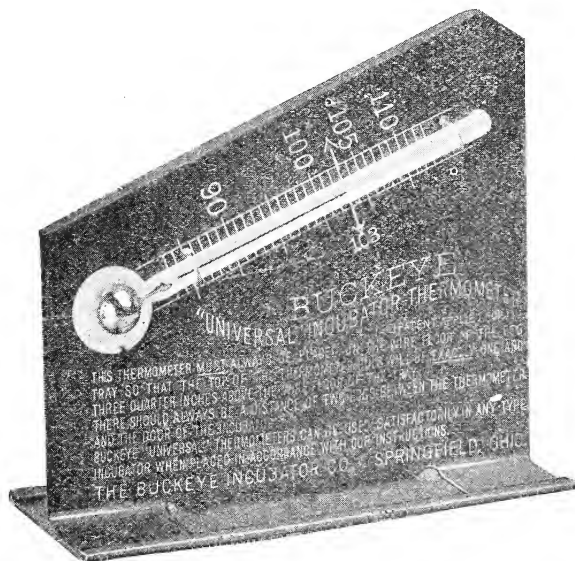


Accurately stamped. No sharp or rough edges to injure chicks. Sliding top. Easy to fill and clean. Single type can be hung on wall.

Best Quality Galvanized Iron

Nos. (Single).....	5	56	57
Number of Holes...	9	13	18
Length, Inches	12	18	24
Price	\$0.35	\$0.40	\$0.55

Nos. (Double).....	58	59	60
Number of Holes...	18	26	36
Length, Inches	12	18	24
Price	\$0.45	\$0.60	\$0.70

INCUBATOR
THERMOMETERS

BUCKEYE

Fits All Makes of
Incubators

Self-contained and complete within itself. There are no holders, stands or other devices required to hold it in position, and as a consequence the correct position of the thermometer will always be assured in every case.

This not only applies to Buckeye Incubators but also every other brand on the market.

Price, \$1.00

SCRAPERS AND CLEANERS

MOES

Just the thing for cleaning out brood coops, nests and dropping boards.

Gets into the corners which are often overlooked.

Heavy Galvanized Iron

No. 47—Length 10 in.....20c



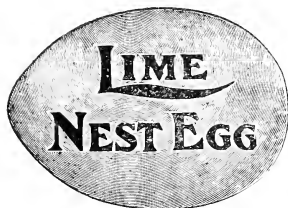
LIME NEST EGGS

OLD FAITHFUL

About an exact duplicate of a real hen's egg. Strong, durable and odorless and will neither break or disintegrate.

Do not absorb and hold the cold, a characteristic making them most acceptable in cold weather.

No. 0F—Made from Pure Sterilized Sulphate of Lime, which has been used by Poultry Raisers for many years to Keep the Nests in a Clean and Healthy Condition.....Per Dozen, 50c

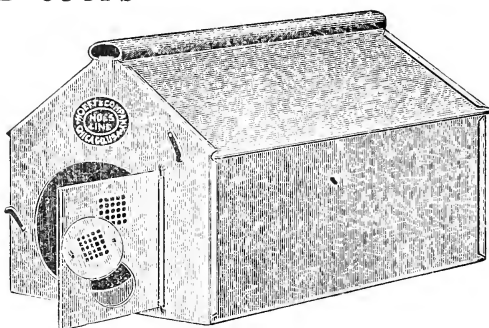


BROOD COOPS

MOES SQUARE

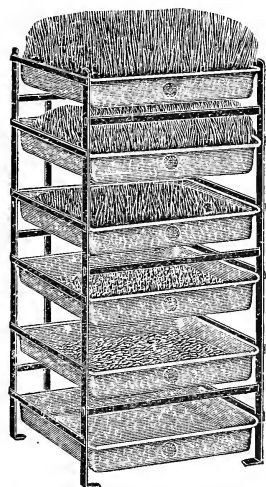
Provides a perfect shelter for both hen and chicks. Bottom is removable so the coop can be easily cleaned and kept in a sanitary condition.

Combination door can be adjusted to:
1—Keep hen in and permit the chicks their liberty. 2—Keep both hen and brood in, with perfect protection against weather, rats, cats and other animals, and yet allow ample ventilation. 3—Give both hen and chicks their liberty. Collapsible, but easily set up.



Made of Heavy, Best Quality,
Galvanized Iron

No. 49—16 in. Wide, 23 in. Long, 16 in. High.....\$2.50



OAT SPROUTER

Made entirely of metal. Strong and rigid.

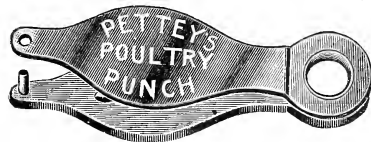
Provides the very necessary green feed at all seasons. Healthy chickens and more eggs.

The frame is of steel, well braced and neatly painted. Has six heavy galvanized iron pans. Five of the pans have perforated bottoms to secure proper drainage, and the bottom pan is solid to hold the drippings. Pans are interchangeable. Sectional frame can be quickly taken apart and stored in a small space.

Total height of frame 3 ft. Size of pans 16 in. by 18 in.

No. 110—Moes Oat Sprouter, each.....\$6.00

POULTRY PUNCHES



No. 38 Punch

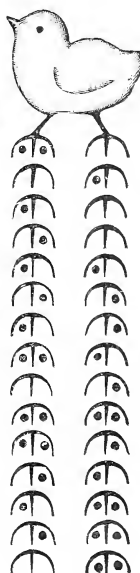
A popular and practical punch for marking Baby Chicks.

Punches a clean hole in the web between the toes, and will not bruise the foot.

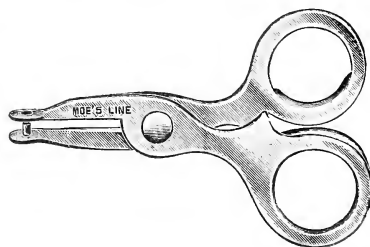
Guaranteed to work perfectly.

No. 38 Punch—
25c each

Showing Different
Toe Marks



POULTRY PUNCHES



No. 39 Ideal Punch

A new improved Punch, scissors type. Works easily, cuts clean and does not pinch the foot.

Convenient to carry in vest pocket, and the lower end is an excellent cigar cutter.

Nickel plated finish. Length 3½ in.

No. 39 Ideal Punch—
50c each

KEY RING COLORED LEG BANDS

Colored Leg Bands are made of celluloid, in fast colors. They are of a proper temper, keep their shape, light in weight and very durable.

Will not fade, and are weather proof. Quickly put on or removed, and make it easy to keep an accurate register of your birds.

Made in **Six** sizes as shown, and in **Ten** colors, as follows: White, Black, Red, Garnet, Pink, Green, Dark Blue, Light Blue, Purple, Yellow.

Put up regularly 50 bands of a size and color in a bundle.



POULTRY SIZES

Stock Numbers

91, 92, 93, 94

12 bands	.....\$ .15
25 bands	..... .30
50 bands	..... .50
100 bands	..... .75
500 bands	..... 3.60
1000 bands	..... 7.00

PIGEON AND BABY CHICK SIZES

Stock Numbers 95, 96

12 bands	.....\$ .10
25 bands	..... .20
50 bands	..... .35
100 bands	..... .50
500 bands	..... 2.25
1000 bands	..... 4.00



No. 91
Asiatic



No. 92
American



No. 93
Mediterranean



No. 94
Bantam



No. 95
Pigeon



No. 96
Baby Chick

ALUMINUM LEG BANDS

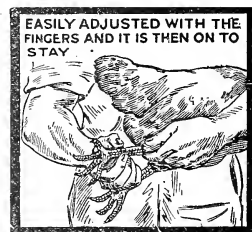


Made of sheet aluminum, with large raised numbers, easy to read from a distance. Adjustable for any size fowl. Accurately made and quickly applied. Packed in paper cartons of 12, 25, 50 and 100 bands each. Numbered from one up.

justable for any size fowl. Accurately made and quickly applied. Packed in paper cartons of 12, 25, 50 and 100 bands each. Numbered from one up.

No. 130—Adjustable Aluminum Leg Bands

12 bands	.....\$0.15	100 bands	.....\$0.75
25 bands	..... .25	500 bands	..... 3.50
50 bands	..... .45	1000 bands	..... 6.00



SELF-LOCKING LEG BANDS

A seal band that requires no sealer.

Locked by simply pushing it together. Made of a bright nickel colored metal that will not rust or corrode.

Numbered consecutively with embossed numbers from 1 to 5000.

Made in 8 sizes as follows:

Size 1—Pigeons.	Size 5—Mediterranean Males.
Size 2—Hamburg & Polish Females.	Size 6—American Females.
Size 3—Hamburg & Polish Males.	Size 7—American Males.
Size 4—Mediterranean Females.	Size 8—Asiatic and Turkey.



No. 120—Self-Locking Leg Bands—Always give sizes and numbers when ordering.

12 bands, any size...	\$0.15	50 bands, any size..	\$0.45	500 bands, any size.	\$3.50
25 bands, any size...	.25	100 bands, any size..	.75	1000 bands, any size.	6.00

EGG CARRIERS

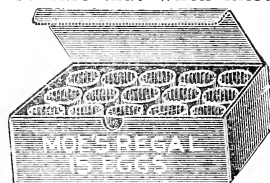
MOES REGAL

Adapted to either Parcel Post or Express use.

Strong enough to more than bear a person's weight, and so safe that when filled with eggs, it will withstand the severest jolt without breaking an egg.

Made of Strong Corrugated Fibre Board

Nos.	14	15	16	17
Capacity, Eggs	15	30	50	100
Size, Inches	4x7x11	8x7x11	8x12x11	14x12x12
Price	\$0.20	\$0.40	\$0.70	\$1.25

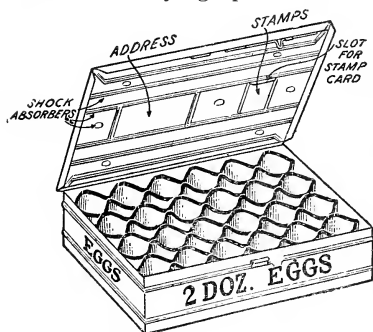


THE ALUMINIZED METAL EGG CRATES

Solve the problem of shipping eggs, butter and other farm products by Parcel Post. They are made for continued use, being strongly constructed but light in weight.

All crates are provided with built-in shock absorbers to give a cushion for the eggs. Fillers to hold the eggs are made for long life.

Metal egg crates do not require outside wrapping for mailing. A short string only is needed for tying "pin" which holds lid securely closed.



PRICES

Dozen-and-a-half size—all eggs	\$1.25
Two-dozen size—all eggs	1.50
Three-dozen size—all eggs	1.75
Four-dozen size—all eggs	2.00
Six-dozen size—all eggs	2.50

COMBINATION CRATES

With Containers for Butter

No. 1—2 lbs. and 1 dozen eggs.....	\$1.50
No. 2—4 lbs. and 2 dozen eggs.....	2.00
No. 3—4 lbs. and 3 dozen eggs.....	2.25
No. 4—6 lbs.	2.25

CONTINENTAL SAFETY EGG CARTONS—25c doz.; \$4.00 case of 250.

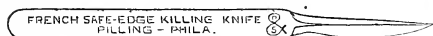
CAPONIZING TOOL SETS IN CASES

The Lansdowne No. 1 Set.....	\$3.50
The Lansdowne No. 2 Set.....	3.00
The Pilling-Farmer Set	3.00
The Philadelphia Set	2.75
The Farmer Miles Set	5.00

GET ONE OF OUR BOOKLETS—For Full Particulars on Caponizing, the Best Time to Caponize, and What Are Capons.



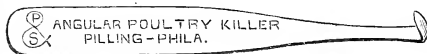
SAFE EDGE KILLING KNIFE



Exactly the same as French Killer, except cut on one side only.

Price, 50c

PILLING ANGULAR KILLING KNIFE



A simple turn of the wrist cuts the jugular vein and spinal cord, allowing the feathers to drop, thus rendering dry picking easy.

Price, 50c



Large, strong and durable wires, heavily and evenly galvanized.

Spacing of line wires from bottom to top is close enough to keep the smallest fowls and exclude marauding animals.

Easily erected and will stand for years as straight and firm as when first put up. It stretches up like a field fence over any kind of ground, fewer posts required and no top or bottom rails.

Galvanized, Stays 4 in. Apart

Horizontal spacing—First six at bottom 1½ in., next three 1¾ in., next six 1⅞ in., remaining bars 3⅞ in. apart. Top and bottom horizontal wires No. 15; intermediate horizontal wires No. 17; upright stays No. 17.

Nos.	1936	2248	2560	2872	3184
Height, Inches	36	48	60	72	84
Number of Bars	19	22	25	28	31
Price, per Roll	\$4.80	\$5.75	\$6.75	\$7.70	8.60

10 Rods (165 Feet) in a Roll.

POULTRY YARD GATES AMERICAN

Galvanized Tubular
Steel Frame

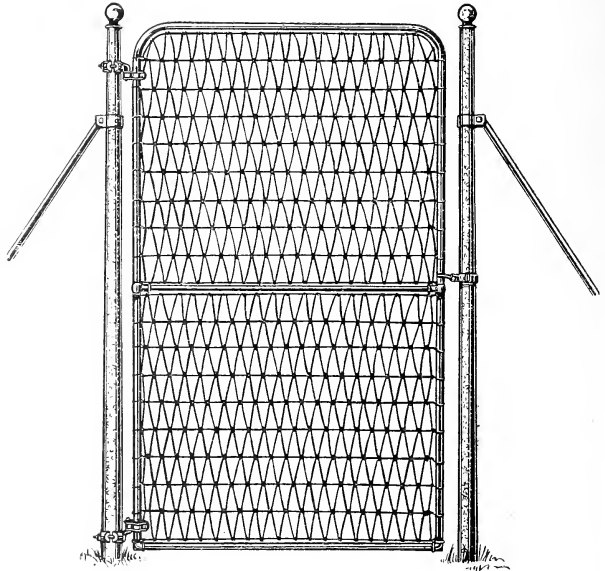
This gate with its close mesh fabric and strong horizontal brase; serves as an ideal barrier to fowl—large and small. Also facilitates entrance to a poultry yard.

Used principally with 72 and 84 in. fence.

Come complete with latches and hinges for either wood or steel posts and are made to fit 3 ft. openings.

Fitted with 2 in. Diamond
Mesh, Heavily Galvanized
Fabric, Non-Climable.

Height, Inches	72	84
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POULTRY NETTING CLIMAX

Hexagon Uniform Mesh, Best Special Cold Drawn Wire, Twisted Three Strand Selvege, Galvanized After Weaving.

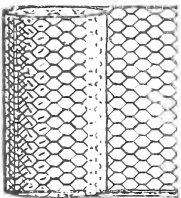
150 Feet in a Roll.

1 in. Mesh, No. 20 Wire

Width, Inches	12	18	24	30	36
Per Roll	\$3.30	\$4.75	\$6.05	\$7.30	\$8.25

2 in. Mesh, No. 19 Wire.

Width, Inches	12	18	24	30	36	48	60	72
Per Roll	\$1.65	\$2.40	\$3.00	\$3.60	\$4.15	\$5.50	\$6.90	\$8.25



The First 8 Weeks! Mean Life or Death



That's when your big chick losses occur—during the first eight weeks—that's when you must have



Conkey's

TRADE MARK
THE ORIGINAL

Buttermilk Starting Feed

Prevents the big losses due to weakness and disease and gives your chicks the quick snappy getaway that produces early broilers and layers. The lactic acid in the buttermilk puts an edge to the appetite; strengthens and tones up the sensitive digestive organs of the little chicks, and helps to sweep away germs that cause White Diarrhea.

Semi-Solid Buttermilk Only

Is used in making Conkey's Buttermilk Starting Feed—never Dried Buttermilk. Semi-Solid Buttermilk incorporates thoroughly with the grain. Conkey's is the only Buttermilk Feed for chicks made according to the Original and successful Conkey process.



How to Feed Baby Chicks

PRICE LIST

Conkey's Starting Feed

2½ lb. Sack	25c
5 lb. Sack	45c
10 lb. Sack	80c
25 lb. Sack	\$1.75
100 lb. Sack	\$6.50

You Can't Get Satisfactory Results Feeding Growing Chicks a Starting Feed

After 8
Weeks
You Must
Change
the Feed

Growing fowls—after 8 weeks—need a different feed. They must have more protein than the little chicks can stand. The same feed cannot serve for both purposes—for little chicks and for growing fowls—if you expect to get the best results.

That's why Conkey makes

Conkey's

The Original

Buttermilk Growing Mash

PRICE LIST

Conkey's Growing Mash

10 lb. Sack	65c
25 lb. Sack	\$1.55
50 lb. Sack	\$2.95
100 lb. Sack	\$5.75

This is the great developing feed that most successful poultrymen use to bring their fowls quickly to early maturity—that insures early broilers and layers. Just right in protein and low in fibre. It is a wonderful bone and flesh builder. Feed it for rapid and certain results.



Conkey's

The Original Buttermilk Laying Mash

The third link in the Conkey Chain is balanced for a full egg basket. Low in fibre, just right in protein for layers.

This mash was placed on the market in response to an insistent demand for an honestly prepared, egg-producing ration that could always be depended upon to be clean and uniform. This demand arose through loss of egg production which is likely to follow a change of "balance" in feed—too many egg mashes unfortunately are varia-

ble in quality and therefore unreliable and costly if not positively dangerous.

To produce eggs in abundance, the flock must have a balanced ration consisting of a dry mash and a good scratch grain mixture, also a regular supply of green stuff. Grains alone are not a sufficient ration

PRICE LIST

100 lbs. .	\$4.25
25 lbs. .	1.25
10 lbs. .	.55

**Have a Conkey
Corner in Your
Poultry House**

for laying hens. Conkey's Buttermilk Laying Mash is made by Conkey's ORIGINAL process. Fresh, Semi-Solid buttermilk and other ingredients are blended so as to tempt the hen's appetite, thus increasing consumption of dry mash so essential to large egg production.

Insist on Conkey's mashes—you can always depend on them. Conkey feeds are always clean, wholesome and uniform.

Raising poultry is pleasant and profitable when "good luck" is with you. Good luck, however, is not merely a matter of chance, but of BEING PREPARED. For more than twenty-five years Conkey has been THE POULTRY DOCTOR. Take his advice. Install a Conkey Corner of remedies in your poultry house as insurance against disease, trouble, loss and disappointment.

We sell Conkey's Poultry and Stock Remedies because we know they are reliable and we can guarantee them as follows:

YOUR MONEY REFUNDED CHEERFULLY IF ANY CONKEY REMEDY DOES NOT SATISFY

Per Package

Roup Remedy	\$.30	\$.60	\$1.20
Roup Pills	.30	.60	1.20
Diarrhoea Remedy	.30	.60	1.20
Cholera Remedy	.25	.50	1.00
Canker Remedy	.50		
Poultry Laxative	.25	.50	
Sorehead Remedy	.25	.50	
Gape Remedy	.25	.50	

Per Package

Lice Powder	\$.10	\$.25	\$.50	\$1.40
Lice Liquid	.60	.90	1.50	
Poultry Worm Remedy	.25	.50		
Poultry Conditioner	.25	.50		
Head Lice Ointment	.10	.25		
Black Head Remedy	.50			
Limberneck Remedy	.50			
Scaly Leg Remedy	.25			

Conkey's Poultry Tonic

Every bird from chick to maturity will be more productive, healthier and more profitable if given a good tonic and regulator. Conkey's Poultry Tonic helps birds to get more out of their feed; they produce more eggs and better flesh on LESS FEED, by better digestion and assimilation.

Conkey's Tonic is all medicine—free from filler, red pepper, and "hot stuff" to overstimulate the birds and break down their health. Conkey's builds on a natural, healthy basis, inducing steady persistent laying. Keeps the young chicks growing, makes molting easy, strengthens the bird for bad weather and generally maintains a high health average.

Buy it by the pail. Packages, 25c, 50c, \$1.00; Pails, 12-lb. \$1.60; 25-lb. \$3.00; Bags, 50-lb. \$5.00; 100-lb. \$9.50.

BABY CHICK SCRATCH GRAIN—10c lb., 3 lbs. for 25c. \$5.00 per 100 lbs.

ASK US FOR CONKEY POULTRY BOOK

An 80-page Handy Book of Reference on Poultry Raising—No Charge.

FERTILITY! VITALITY!

NATURE'S SECRET IS OUT AT LAST!

Poultry experts now marvel at the miraculous results when yeast or cod liver oil is added to the feed. However, neither yeast nor oil displaces the other. Both are necessary to supply needed vitamins.

But yeast may not always be uniform and good oil is scarce. Likewise the potency of cod liver oil rapidly diminishes when mixed with any other ingredients, especially as an ingredient in a mixed feed.

Conkey now has solved the whole problem by blending the highest quality of yeast and richest cod liver oil by a secret process which preserves the potency of the oil.

NEVER BEFORE SUCH WONDERFUL VITALITY!

Peppy cockerels, strutting and fighting—pullets, singing and scratching with red, healthy combs flapping in the air—chicks that are so full of life and vigor you can fairly see them grow. These are seen in the poultry yard when Conkey's Y-O is added to the ration. No tired, devitalized male birds, no hens loafing on the roost, no chicks huddled and drooping.

NEVER BEFORE SUCH EGG PRODUCTION!

We expect a great deal of the hen—up to 250 eggs per year—in fact, too much for the help she is given. Hens everywhere are breaking down under intensive laying, unable to keep up the swift pace. Conkey's Y-O keeps steadily restoring to the hen's vital reservoir the energizing vitamins as they are used up.

NEVER BEFORE SUCH FERTILITY!

Conkey's Y-O, by supplying vitamins lacking in the ordinary feed, pours back into the fowl the exhausted life streams drained away by "forcing" egg-production methods or of "crowding" growing stock. This makes Conkey's Y-O a wonderful help for hatcherymen who lose so much from poor fertility.

NEVER BEFORE SUCH MARVELOUS GROWTH!

In our own pens we have demonstrated very remarkable results. A hatch was divided into two pens. One pen was fed Conkey's Y-O, the other exactly the same ration but without Conkey's Y-O. In only three weeks the chickens fed Conkey's Y-O were fully twice as large and developed as the other pen. Try this experiment yourself. You will be astonished.

Conkey's Y-O

YEAST WITH COD LIVER OIL

We guarantee to—

1. Make hens lay more and larger eggs.
2. Stimulate growth of pullets and cause them to lay earlier.
3. Increase fertility of eggs.
4. Improve health and stamina.
5. Build up resistance to disease.

VERY LOW IN COST

Considering the remarkable results it accomplishes Conkey's Y-O is very cheap.

One pound will feed approximately 30 fowls 30 days. To feed 50 breeding or laying hens or pullets costs about 9 cents per day; 50 growing birds 4 to 12 weeks old, 6 cents per day; 50 chicks up to four weeks old only 3 cents per day.

Conkey's Y-O comes in the form of a rich chocolate-brown powder and it is fed loose, mixed in small quantities with the mash.

Conkey's Y-O is easy to feed and there is no waste—no liquids—no paste and no fermenting of large quantities of wet mash with all the difficulties which this entails.

Prices are as follows: 1 lb. pkg., \$1.50; 2 lb. pkg., \$2.75; 5 lb. pkg., \$6.25, or mailed postpaid for \$1.60, \$2.90, \$6.45. The following larger sizes parcel post charges extra. Will be sent collect, if express or freight: 25 lb. drum, \$23.75; 50 lb. drum, \$45.00; 100 lb. drum, \$85.00.



ROUP

Roup Is the Most Dreaded of All Poultry Diseases

Symptoms — First stage: — Chickens catching cold, eyes and nostrils become watery. The fowls will wheeze when breathing and will frequently sneeze and shake their heads to throw off the mucous.

Second stage:—One or both eyes will become inflamed. Bird will rub its head across its back as the nostrils become closed.

Third stage:—Swelling and hard lump of mucous under one or both eyes. Canker developed in mouth and on tongue. There is a catarrhal odor.

Roup is very contagious and the entire flock will soon become infected, after canker develops, for this is the last stage and unless drastic action is taken to prevent the windpipe from closing with canker, death is very sudden.

The Reason "SMOKE EM" Will Produce An Absolute Cure

The beginning of roup is caused by a cold. The mucous cannot escape from the nostrils after they become clogged. This mucous is carried to the eye and forms a lump causing considerable inflammation. Very often both eyes contain an accumulation of this mucous. There is a small channel connected with the eye and nostrils known as the tear socket. After the chicken contracts a cold the eyes start to water, and gradually the nostrils fill up with mucous until they are entirely clogged, then the tear socket becomes infected and when the mucous cannot find its way out it gradually discharges back through the nostrils to the inside of the mouth and windpipe, forming patches of canker.

It is an established fact that chickens must breathe as well as human beings. Therefore, the first thing to correct the condition of roup is to force the nostrils open so that the chicken can breathe. This is done by the chicken inhaling "SMOKE EM," which is so powerful it forces its way right through the nostrils of the chicken and dissolves the mucous in the nostrils and mouth, causing a free discharge of this diseased matter and thereby depositing the medicinal properties of "SMOKE EM," directly on the diseased parts of the bird, right up inside the nostrils and in the eyes and windpipe, etc.

"SMOKE EM" leaves a thick layer of black deposit covering the diseased parts, and after killing the disease germs will heal these affected parts and produce an absolute cure.

\$1.25 Per Can

Teeth and Tonic for Poultry

PEARL GRIT

The Double Purpose Grit

Scientists tell us that there is no known substance that aids a fowl's digestion as does good, clean, sharp grit. It enables the gizzard to prepare the food for digestion. It is a fowl's false teeth. When grit becomes worn out it is expelled. If new, sharp grit cannot be secured, the food must remain unground in the gizzard until it is softened and falls to pieces. This makes slow, imperfect digestion. It robs the hen of strength and robs you of eggs.

Grit of any kind is good for poultry because it enables the gizzard to prepare the food for digestion, but there is a **best** grade of grit just as there is a **best** grade of blooded stock, of corn, oats, hay, oil, coal—of everything.

Pearl Grit is more than a food grinder. Besides being the cleanest, whitest and sharpest grit that money can buy, Pearl Grit contains a generous supply of those minerals that the laying hen needs so badly in the production of eggs. Both Teeth and Tonic, it is a **double purpose** grit. When you scatter Pearl Grit you scatter all that the hen needs for its digestion as well as for egg making.

Sulphur and Carbohydrates, essentials in making eggs, are both contained in Pearl Grit. By mixing this **double purpose** grit with your feed, you are giving your hens a perfectly "balanced ration," and thus assuring yourself of a maximum amount of eggs.

Furthermore, the eggs will be of a better quality, as Pearl Grit is rich in calcium carbonate (lime), a substance that helps hens produce large, white, and hard-shelled eggs. Fowls fed on Pearl Grit never lay eggs with soft shells. This reduces your loss through breakage.

Pearl Grit is clean, white and nutritious. It imparts strength and vigor to young chicks and is most excellent for laying hens. It gives them exactly what they need to make them healthy, heavy layers. Its whiteness enables hens to find it easily and quickly.

In every sack of Pearl Grit that you buy, you receive double value because Pearl Grit is a **double purpose** grit. No shell-making materials such as lime, magnesium, or oyster shells are needed. When you buy Pearl Grit you get all of these. Saves you time and labor and produces more eggs than are possible when ordinary grit is fed.

It is an economy to use Pearl Grit. When you use an inferior grit, you rob your hens of strength and rob yourself of eggs. Pearl Grit mixes with the feed, grinds the contents of the gizzard, stimulates the digestion, and increases the size, quality, and number of your eggs. Its cost is trifling, and your profits are large.

Price, per lb. 2c. Per 100 lbs. \$1.50



KILLS CHICKEN MITES IN POULTRY HOUSES

Applied ONCE a YEAR—See Guarantee

CHICKEN MITES

There are a number of insect parasites infesting poultry houses, etc., but very little is known about them and their habits, and they are generally called Lice. A distinction, however, should be made between that kind living on the body of fowls all the time, the "Body Lice," and those that bother the fowls, etc., during the night only and crawl away in the morning to spend the day in the cracks and crevices of the infested building. These are called "Hen-Lice" or "Mites."

These mites are pests and genuine blood suckers and vampires and while the chickens can get rid of the body lice and keep them within limits by an occasional dust or sand bath, they are absolutely at the mercy of and helpless against the Mites, which suck their blood and gradually kill them.

It is therefore of vital interest to help the chickens, and the quicker the mites are cleaned out, the better it is. Results will quickly show in the shape of healthy Chickens and plenty of eggs.

There are quite a few remedies, however all of them are efficient only a short time, as they will quickly evaporate, and therefore must be applied almost continually. One single, annual application of Arrow Carbolineum will do the work. It will not only kill all the vermin by direct contact, but if sprayed or brushed, it will penetrate all cracks and crevices and reach the mites at close quarters and effectually stop their propagation.

KILLS CHICKEN MITES IN POULTRY HOUSES

Apply once a year.

GUARANTEE

We guarantee that one thorough application of **ARROW CARBOLINEUM** either by brush or sprayer, to the interior walls, dropping boards, roosts, etc., to such buildings, after a previous cleaning and no matter whether they are of wood, tar paper or plaster, will exterminate mites in same **FOR A WHOLE YEAR.**

PRESERVES WOOD EVERYWHERE

Nut Brown Color:

Preserves wood everywhere against rot and decay and adds at least 100 per cent to the life of fence posts, poles, sills, floors, bridge timbers, porches and to wood imbedded in concrete.

Arrow Carbolineum will double or even treble the natural life of fence posts, etc., regardless of grade or specie of wood used, or the prevailing climatic conditions. Its use enables the use of inferior grades, even such as willow and cottonwood.

COVERING CAPACITY on average size posts:

- 40 posts per gallon for dipping butt.
- 60 posts per gallon for butt, brush use.
- 100 square feet rough lumber per gallon with two brush applications.

Price \$1.75 gallon. Quantity Price on Request.



Carbola is a white paint in powder form combined with a disinfectant many times stronger than pure carboic acid. It is non-poisonous and non-caustic. It kills lice, mites, fly eggs, etc., and helps prevent the start and spread of contagious diseases that affect man, beast and fowl. Carbola is two things in one—a paint that disinfects or a disinfectant that paints. It dries a clear snow white. It saves labor, time and money. It paints and disinfects at one operation in the same time and with the same labor required to paint or disinfect only.

Carbola is recommended for use instead of whitewash in every place where whitewash ordinarily is used.

Garages	Cellars
Factories	Outbuildings
Warehouses	Tree Trunks

It is recommended for use instead of whitewash and disinfectants in

Stables	Barns
Kennels	Creameries
Poultry Houses	Hog Pens
Rabbit Hutches	Dairy Buildings

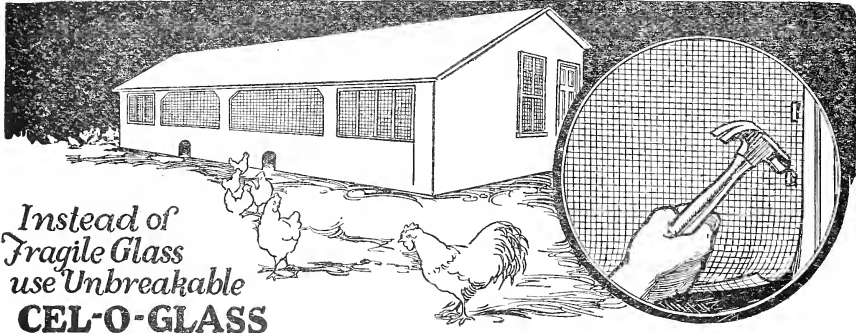
Carbola is superior to whitewash because it not only increases the light and improves the appearances, but destroys bad odors and mustiness. It guards against the start and spread of contagious disease germs, and deprives flies, spiders and other insects of their breeding haunts. Carbola in its dry state is recommended for sprinkling into closets, garbage pails and privy vaults.

In the Poultry House

There is nothing that contributes more to success in poultry raising than absolute cleanliness and sanitation in the poultry house. Clean living quarters mean as much as proper feeding. The best strain of poultry in the world, fed by best rations will not produce their best if the poultry house is not kept clean. Much of the decreased egg production and much of the sickness, low vitality and frequent mortality is due to unclean conditions. Without regular care the yards and ranges where the birds have been running on them constantly, become polluted and filthy—an ideal place for the breeding of disease. The houses soon become filled with red mites, which when present in any number are a great drain on the health and vigor of the flock. Every time you bury a chick you lose some profits. If the growth or production is retarded you lose other profits.

5 pound package.....	\$.75
10 pounds (10 gal.)....	1.25
20 pounds (20 gal.)....	2.50
50 pounds (50 gal.)....	5.00
200 pound bag	18.00

CEL-O-GLASS



*Instead of
Fragile Glass
use Unbreakable
CEL-O-GLASS*

CEL-O-GLASS is a high grade, low-priced substitute for glass. It is unaffected by rain, hail, snow, sun or wind; it can be bent or cut to any desired shape and is practically indestructible. It is made by treating coarse mesh wire cloth in such manner that the open spaces between the strands are filled with a clear, transparent tough but flexible substance which will not rub or peel off, dry up or become brittle.

It is radically different from ordinary glass, yet in practical use answers all demands and offers very decided advantages to the market gardener, as well as the poultryman, dairyman and farmer.

CEL-O-GLASS is good-looking, as well as durable—use it for your garage and you needn't worry over the excessive cost of replacing the glass every time the wind blows the door shut.

The various outbuildings on the farm can be fitted with CEL-O-GLASS to great advantage—granaries, wagon sheds, sheep and cattle barns, hog houses, tool and carpenter shops, etc.

Ideal for coldframes and hotbed sash, either for flowers or vegetables. If you have hesitated at the cost of the heavily built hotbed sash, in which the breakage each season is so great, build simple frames and cover with CEL-O-GLASS.

FOR LAYING HOUSES, BROODERS AND SMALLER BUILDINGS

CEL-O-GLASS lends itself particularly well to the construction of laying houses, or to the rebuilding of fronts, if originally built on lines that modern practice has discarded.

A large number of poultrymen use a combination of glass and muslin on the fronts of laying and breeding houses. The glass or CEL-O-GLASS windows are usually closed in cold weather and at night, while the muslin-covered window space is open on clear days and closed at night, the muslin allowing air circulation—a ventilation free from dangerous draughts.

Put up in rolls of 100 lineal feet—36 inches wide.

Price—Less than full roll.....13c sq. ft.

Price—Full roll order.....11c sq. ft.

RAT ANNIHILATOR

RATS



according to competent authorities, destroyed over one billion dollars worth of food stuffs in the United States last year.

A single pair of rats if left unmolested will propagate 2,500,000 rats in one year.

The total loss will soon become incalculable; it is this, as well as its disease carrying qualities that makes it a dangerous physical enemy.

The rat originally was a beast of the field, that has chosen to invade human towns and dwellings, as the enemy of mankind and to get its living by theft and crime, rather than by pursuing its natural career in the open.

WE HAVE SOLD AND RECOMMENDED

Rat Annihilator

SINCE 1911

and we know from experience that it will destroy rats to a certainty and if every home owner in this country would procure a sufficient quantity of **RAT ANNIHILATOR** to permit of a thorough distribution on their premises (usually one dozen small packages) using same as directed, the

**RATS WILL BE DESTROYED,
WITHOUT LEAVING RESULTANT ODOR,
OTHERWISE THE
PURCHASE PRICE WILL BE REFUNDED**

by the manufacturers, G. P. McDermott and Company, Inc., Indianapolis, Indiana. The manufacturers are thoroughly responsible and stand back of **RAT ANNIHILATOR**, with a positive guarantee as above.

We are pleased to say that the price of this wonderful product is not prohibitive (\$3.00 per doz.) Make your premises a safe, healthful and profitable place to live.

OUR POLICY—"WE NEVER RECOMMEND UNTIL WE KNOW"

LAWN and GARDEN Fertilizers

ARMOUR'S SPECIAL LAWN AND GARDEN 3-12-4

Make first application in spring, soon after frost leaves the ground. Apply 25 lbs. per thousand square feet. Follow with same application every sixty days. When seeding new lawns, use 50 lbs. per thousand square feet. Rake thoroughly into ground and then seed. For garden use, apply at the rate of 600 lbs. per acre. Mix thoroughly with the soil before seeding or transplanting.

Price—25 lb. sack, \$1.25. 50 lb. sack, \$2.00. 100 lb. sack, \$3.75.

BIG CROP RAW BONE MEAL 4½-22

Made from an accumulation of slaughter house bones, steamed enough to soften and make action more rapid. Best annual fertilizer manufactured. Excellent for rose beds and plants, vines, shrubs and trees—fruit or shade. Also good for bulbs, indoors or outside. For roses and plants 50 lbs. per cubic yard; 25 lbs. each for grown trees; shrubs and vines use at the rate of 500 lbs. per acre.

Price—5 lb. pkg. 40c; 10 lb. pkg. 70c; 25 lb. sack \$1.25;
50 lb. sack \$2.00; 100 lb. sack \$3.50.

WIZARD SHEEP MANURE

Makes Beautiful Lawns and Gardens

If you want a more beautiful lawn and garden plan to do most of your garden work in Fall instead of Spring. Fall planting in a rich fertile soil is, according to successful gardeners, the real secret of success. So plant everything you can in Fall—and let your first thought be the preparation of a rich fertile soil to develop the full possibilities of your garden.

The Best Lawns Are Made in the Fall

Fall is nature's time to sow grass seed and experts claim that the only way to secure a thick turf of the finer and more desirable grasses is to make your lawn in Fall as these grasses develop best during the cool Fall months. Many failures in lawn making are due to the hot dry summer weather following close upon late Spring sowing. Make the changes that you have planned and plant perennials and shrubs in their permanent location. All fall work insures an established planting ready to start off rugged and strong with the first breath of Spring, fully a month or more before you can begin any planting in Spring.

A Fertile Soil Insures Success

Whatever you do, don't forget the needs of your plants because you cannot get results on a poor wornout soil. Wizard Sheep Manure improves the soil and gives it just what it needs to make plants grow to perfection. Wizard is economical, convenient and absolutely weedless. One bag will prove as effective as a WHOLE WAGON LOAD OF STABLE MANURE. Use Wizard in the Fall and you will have a better lawn and garden the next Spring.



Beware of the inferior substitutes now on the market, which are being sold as Sheep Manure. If you want results and the best Sheep Manure on the market—insist on Wizard Brand. Wizard is genuine Sheep Manure and you can depend upon it for results.

Price—2 lb. pkg. 20c; 5 lb. pkg. 35c; 10 lb. pkg. 65c; 100 lb sack \$3.25.

DON'T PLANT WITHOUT WIZARD BRAND



ASPARAGUS KNIVES



Blue Enamel Finish

No. 2500—Blade Forged for 7-16 in. Round Steel, Cutting Edges Hardened and Tempered to Stand Rough Usage, Front Part of Blade Nicely Polished\$0.50

Used also as a weeder and dandelion digger.

TRANSPLANTING TROWELS



One Piece Heavy Sheet Steel Blade and Shank

No. 217—Length of Blade 6 in., Can be used as Both Trowel and Dibble\$0.20

Blade is narrow and deeply curved making it better than one with angle. Has no superior as a weed digger and transplanter.

GARDEN TROWELS



No. 213—6 in. Cold Rolled Steel Blade, Bright Finish, Firmly Riveted Malleable Iron Shank, Blade Will Not Pull Off the Shank...\$0.15



No. 211—6 in. One-Piece Forged Steel Blade and Shank, Finely Polished Blade, Rear Part and Shank Blue Varnished.....\$0.50

No. 211A—Berry Trowel, Same as Above, but with 4½ in. Narrow Blade\$0.60



Socket Pattern

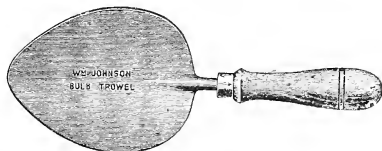
No. 2120—6 in. Polished Blade, Upper Part and Socket Rod Enamelled, Blade and Shank One-Piece Forming a Socket which Makes it Very Strong and Durable.....\$0.50

GARDEN TROWELS



All Steel, Blue Handle, Polished Blade
No. 809—Length Over All 11¼ in., 6½ in. Blade, Made from One-Piece of Heavy Gauge Steel with Handle Shaped to Fit Hand, Sharpened Point, Very Strong and Substantial\$0.25

BULB TROWELS SPECIAL



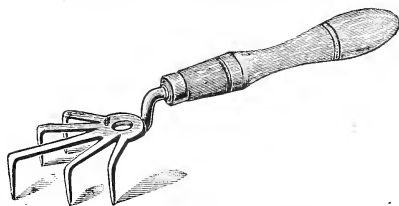
No. 216A—6 in. Blade, Nickered Brass Ferrule, Hardwood Handle\$0.75

GARDEN HOOKS



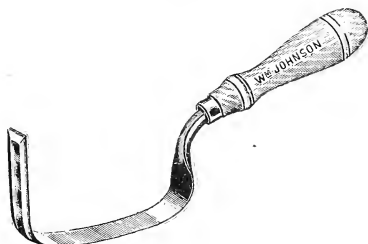
No. 2—Length 15 in., Malleable Iron, Japanned, Wood Handle, Steel Ferrule\$0.60

WEEDING HOOKS SECOR'S EXCELSIOR



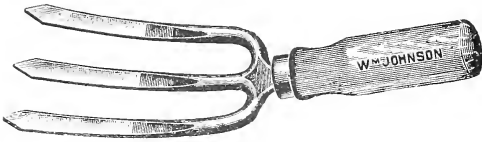
No. SE—Five Prong, Malleable 20 Iron, Retinned, Black Enameled Handle, Steel Ferrule.....\$0.20

GARDEN WEEDERS IDEAL



No. 200—Spring Steel Blade 1 in. Wide, Hardwood Handle.....\$0.45

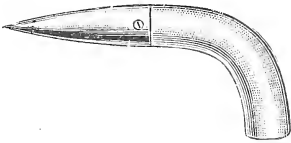
GARDEN SPADING FORKS



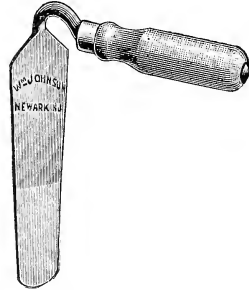
Three Tine

No. 300—Length Over All 11 in., Half Polished Tines with Top Part Enameled Blue, Polished Hardwood Handle with Brass Ferrule\$0.45

DIBBLERS



No. 218—Standard Size, Iron, Wood Handle\$0.60

HOE TROWELS
TRANSPLANTING

Largely used by gardeners in setting out cabbage plants, etc.

No. 217A—Length of Blade 7 in., Steel Ferrule, Hardwood Handle\$0.65

GARDEN RAKES

UNION STEEL
Round Bow

Solid Steel Bow, Hammer Drawn, Curved Steel Teeth, Gray and Bronze Finish, 5½ ft. Polished Handle.

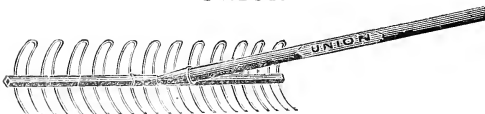
Nos.	B12	B14	B16
No. of Teeth	12	14	16
Price	\$1.10	\$1.25	\$1.35

UNION MALLEABLE

Single Shank

Malleable Iron Head and Shank, Straight Teeth, Good Quality Handle.

Nos.	MS12	MS14
No. of Teeth.....	12	14
Price	50c	60c

WIRE LAWN RAKES
UNION

No. W24—24 Teeth, 20 in. Head.....60c

Tinned Teeth and Head, Wire Teeth, Metal Head, Malleable Iron Socket, Polished and Waxed Handle. Reversible.

No. W36—36 Teeth, 30 in. Head.....\$1.35

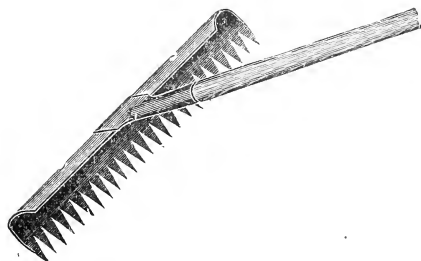
Tinned Teeth and Head, Wire Teeth, Metal Head, Malleable Iron Socket, Polished and Waxed Handle. Reversible.

DANDELION RAKES HUDSON ALL-PURPOSE

Stems, leaves and all are wedged between its teeth and are easily pulled out; a backward stroke cleans the rake instantly. Will pick up acorns, pebbles, small twigs, dead leaves, broken glass, etc. Teeth are stiff and unbreakable.

Electrically Welded Socket

No. PE16—16 in. Head, Curved, 5 ft. Polished Hardwood Handle.....\$0.95



FLORAL SETS UNION

High Grade Forged Steel Heads, Solid Shanks, Gold Bronze Finish, Selected Handles

No. 3FS—Three Piece Set, Consists of One Steel Blade Shovel with Malleable D Handle, One 6-Tooth Steel Rake with $3\frac{1}{2}$ ft. Handle, and One $4\times 3\frac{1}{2}$ in. Hoe with $3\frac{1}{2}$ ft. Handle.....\$1.75

CHILDREN'S GARDEN SETS

Hoe and Shovel Made of a Tough Grade of Steel, Rake is Made of Selected Castings, Nickel Plated

No. 52—Three Piece Set, Consists of One $3\frac{1}{2}\times 4\frac{1}{4}$ in. Cold Rolled Steel Shovel with $\frac{3}{4}\times 24$ in. Hardwood Handle, One $27\frac{1}{8}\times 4$ in. Hoe with $\frac{3}{4}\times 24$ in. Handle, One 7-Tooth Rake, 5 in. Wide with $\frac{3}{4}\times 24$ in. Handle.....\$0.25

No. 53—Three Piece Set, Consists of One $4\frac{1}{2}\times 6$ in. Shovel with 1 in. T Handle, 30 in. Long Over All, One $3\frac{1}{4}\times 4\frac{1}{2}$ in. Hoe with $\frac{7}{8}\times 34$ in. Handle, One 7-Tooth Rake with $\frac{7}{8}\times 34$ in. Handle.....\$0.40

SPADING FORKS

Solid Steel Shank, Diamond Back Tines, Gold Bronzed Head, Ferrule and Cap
FOUR TINES, STEEL D HANDLE



11 in. Light Angular Tumbled Tines, Strap Ferrule, Steel D Handle
No. YSALD—Meadow Monarch, 30 in. Bent Selected Handle.....\$1.40

11 in. Heavy Angular Polished Tines, Strap Ferrule, Steel D Handle
No. SAHD—Farm King, 30 in. Bent Polished and Waxed Handle.....\$1.75

FOUR TINES, LONG HANDLE

11 in. Heavy Angular Polished Tines, Strap Ferrule
No. SAH4—Farm King, 4 ft. Bent Polished and Waxed Handle.....\$1.75

The Nursery Stock listed in the back of this catalogue comes direct from Northern Illinois growers (therefore acclimated to this territory). Backed up by 30 years of faithful service—everything of the highest grade and quality—also true to name.

FIELD AND GARDEN HOES

FARM KING

Bronze Finish, Solid Steel Blades, Polished and Waxed Handles



Solid Socket, Full Polished Steel Blade

No. SG7—4 1-3 ft. Handle, 7 in. Blade.....\$1.00

No. SGA—Assorted, 7 and 8 in. Blades, 4 1-3 ft. Handle.....\$1.00

LADIES' HOES

FARM KING

Bronze Finish, Solid Steel Blades, Polished and Waxed Handles

Solid Shank, Full Polished Steel Blade

No. L5—5 in. Blade 4 ft. Handle.....\$0.75

RIVETED HOES



Riveted Sheet Steel Blade, Iron Shanks, Black Finish

No. R7—7 in. Blade, 3 Rivets, 4 1-3 ft. Handle.....\$0.50

BEET OR NURSERYMEN'S HOES

FARM KING

Bronze Finish, Solid Steel Blades, Polished and Waxed Handles



Solid Shank, Polished Steel Blades, 4 1-3 ft. Handle

No. BT6—6 in. Blade.....\$0.90

No. BT7—7 in. Blade......90

WEEDING HOES



Bright Steel Blade, Black Finish, Sharp Point, Iron Shank

No. SPW—4 1-3 ft. Good Quality Handle.....\$0.35

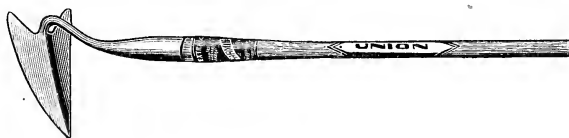


Bright Steel Blades, Riveted Iron Shank, Black Finish

No. 2PW—Two Prongs, 4 1-3 ft. Handle.....\$0.40

WARREN HOES

Bronze Finish, Solid Steel Blades, Polished and Waxed Handles
Solid Socket, Full Polished Steel Blades, 4 1-3 ft. Handle



No. W7—7 in. Blades.....	\$1.25
No. W7½—7½ in. Blades.....	1.35

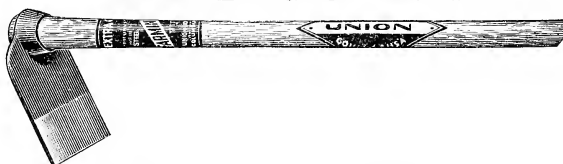
WEEDING HOES



Bright Steel Blade, Steel Shank, Black Finish, 4 1-3 ft. Handle

No. 4PSW—Four Prongs	\$1.10
No. 6PSW—Six Prongs	1.25

HANDLED GRUB HOES



Black Finish, Half Polished Blade

No. HG6-0—4½ in. Blade, 4 ft. Selected Handle.....	\$0.85
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SCUFFLE HOES



Braced Malleable Iron Shank, Black Finish, Bright Steel Blade

No. GSH—2½x8 in. Blade, 6 ft. Handle.....	\$1.15
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TURF EDGERS



Solid Shank, Polished Steel Blade, Gold Bronzed

No. TE—4 ft. Selected Handle.....	\$1.10
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THISTLE AND DOCK CUTTERS



Solid Shank, Strap Ferrule, Black Finish, Polished Blade

No. DCF—4½ ft. Selected Handle, with Foot Rest.....	\$1.40
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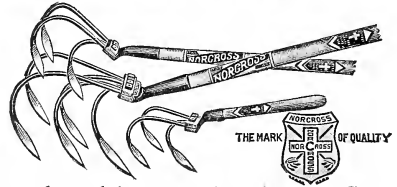
Cultivator-Hoes and Weeders

NORCROSS FIVE-PRONG

Metal Parts Black, with Silver Bronzed Shovels;
First Quality Handle, Waxed and
Belted Finish, Labeled

No. 55—Five Detachable Spring Steel Prongs
with Forged Shovels Attached to Malle-
able Head with 4 Standard $\frac{1}{4}$ in. Bolts,
4 ft Handle.....\$1.10

Malleable Ferrule (with handle) can be disconnected, and by use of Universal Con-
nection (supplied extra when specified) the cultivator-head can be attached to standard
makes of wheel plows.



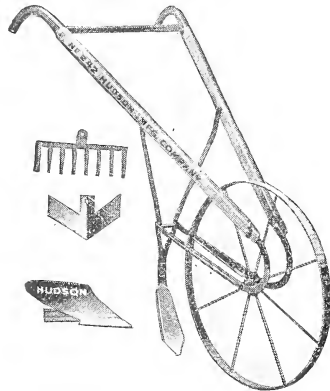
NORCROSS THREE-PRONG

A modification of the five-prong in size and weight with the same quality and finish.
No. 33—Three Detachable Steel Prongs, 4 ft. Selected Handle.....\$0.90

NORCROSS MIDGET

Designed to Cultivate Gardens, Flowers, Small Shrubbery, etc., where close hand
work is required.

No. 11—9 in. Handle, Same General Construction, Quality and Finish as No. 33,
but Smaller\$0.50



GARDEN PLOWS

HUDSON

A favorite with the truck farmer or gardener who
has sufficient work to justify separate machines for
seeding and cultivating.

The Plow and Double Pointed Shovel are made
of regular plow steel. Surfaces polished, lacquered and
cutting edges sharpened. Rake is malleable iron.

Adjustable Steel Frame, Seasoned Hardwood
Handles, Adjustable in Height

No. 240—24 in. Diameter Wheel, $1\frac{1}{4}$ in. Tire, Steel
Strap Reinforcement at Handle Tips Prevents
Splitting\$3.75

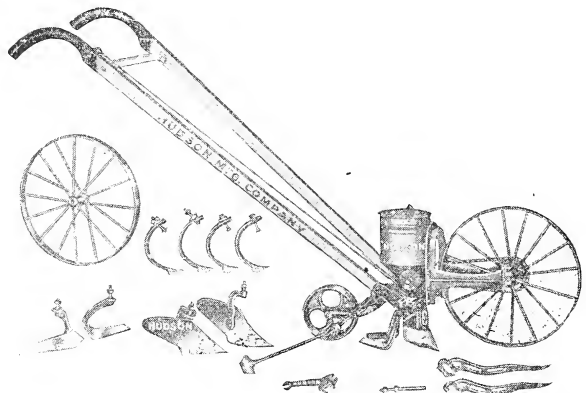
SEEDER AND CULTIVATOR

HUDSON HILL AND DRILL SEEDER AND SINGLE OR DOUBLE WHEEL CULTIVATOR

Will Sow Any Seed from
Beans down to the Smallest
Garden Variety, and is a practi-
cal combination which can be
changed in a moment from
sowing in continuous rows to
dropping in hills spaced from 4
to 24 inches apart. The seed
regulator is now made entirely
of brass with openings die cut
instead of being cast or mould-
ed. As a result it can be regu-
lated perfectly.

Brush force feed of selected
bristles will not injure the most
delicate seeds. Seed flow in
plain sight. Furrow opening
shoe and furrow covers adjusta-
ble for depth up to 2 inches.

As a seeder it opens a furrow, drops the seed, closes the furrow, packs the earth



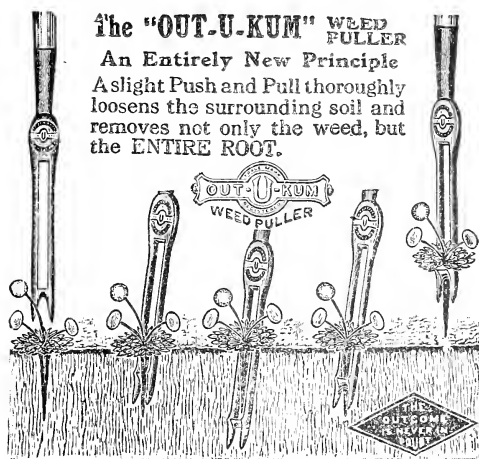
and marks the next row in one operation. Seeding parts can be detached by removing two bolts, and the machine then becomes a single or double wheel cultivator, rake, plow or hoe, as desired.

Malleable Iron Frame with Angle Steel Arch

No. 201—Hoes, Shovels and Plows of High Grade Steel with Malleable Iron Shanks, 16 in. Diameter Wheel with $1\frac{1}{4}$ in. Tire, Selected Plow Handle Grip Handles, Adjustable to Suit Operator.....\$16.75

When Seeding Parts Are Detached you have a Double Wheel Hoe, Plow, or Cultivator, astride the row during early cultivation, and as a Single Wheel Cultivator between the rows later. The Angle Steel Arch is high enough to permit straddling until the plants are well grown Price, Less the Seeding Parts.....\$11.65

WEED PULLERS

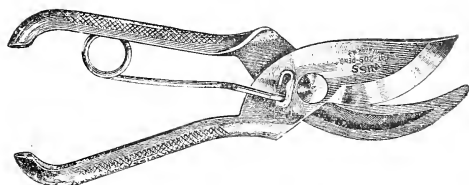


The "OUT-U-KUM" WEED PULLER
An Entirely New Principle
A slight Push and Pull thoroughly loosens the surrounding soil and removes not only the weed, but the ENTIRE ROOT.

Made of Refined Malleable Iron,
Prongs Highly Polished

Out-U-Kum—Black Enameled Fer-
rule, Selected Waxed Hardwood
Handle\$0.75

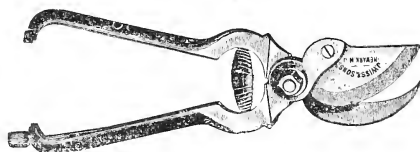
**PRUNING SHEARS
WISS JUNIOR**



Blued Steel Handles, Polished Head

No. 209—9 in. Long, Highest Grade
Steel Blade, Steel Clip Holds Tool
in Closed Position and Does Away
with Catches, Blade Has Good
Bevel and is Set to Give Power-
ful Leverage\$1.35

**PRUNING SHEARS
WISS**



Polished Blade and Head

No. 109—Length 9 in., Best Cutlery
Steel Blades, Forged Entirely of
Steel, All Parts Milled and Inter-
changeable\$3.50
No. 110—Length, 10 in.....\$4.00

CALIFORNIA PATTERN



Black Finish

No. 30—Length 9 in., Carefully Tem-
pered Steel Blades, Malleable Han-
dles, Volute Spring.....\$1.00

VINE YARD PATTERN



**Ratchet Nut Lock, Polished Head,
Straw Colored Blade**

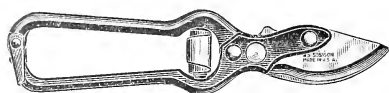
No. 172—Length 9 in., Hardened and
Tempered Steel Blade, Extra
Strong Handles, Dull Black Enam-
el\$2.00

EXTRA VOLUTE SPRINGS



For No. 30 and 172 Pruners.....20c

ROSE SHEARS

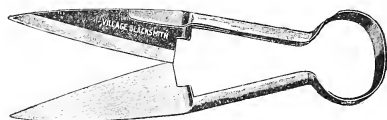


Black Finish

No. 10—Length 6 in., Fine Quality Steel Blade, Riveted to Malleable Iron Handles, Neat and Powerful65c

GRASS SHEARS
VILLAGE BLACKSMITH

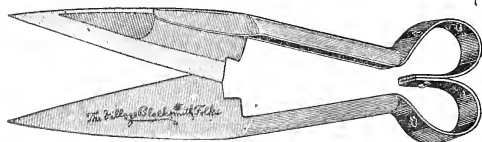
No. V56—6 in. Blade, Trowel Shank, Full Polished, Hollow Ground Blades, Handle and Spring Enamelled Maroon\$1.00



No. V2—6 in. Forged Blade, Edges and Bevels Polished, Handle and Spring Green Enamelled, a Good Quality Shear60c

No. V52—6 in. Blade, Made of Cutlery Steel, Carefully Tempered and Set, Ground Perfectly, Black Enamelled Handles and Bow, Polished Edges75c

No. R4—Good Quality Steel, Natural Finish, 6 in. Blade.....50c

SHEEP SHEARS
VILLAGE BLACKSMITH

No. V63—6 in. Blade, Full Polished, Heavy Bevel Edges, Strong Double Spring Bows.....\$2.00

HORSE AND MULE SHEARS
VILLAGE BLACKSMITH

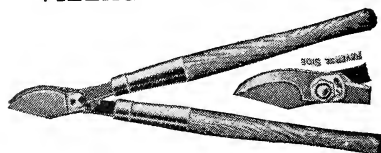
No. V7—Best Quality 4 in. Curved Blade, Perfectly Hardened and Set, Full Polished Edge and Handle, Star Finished in Black Enamel65c

TREE PRUNERS
DISTON

Metal Brace Plate, Special Lever and Blade with Lift Spring

Operated by Lever to which the Blade is connected by Steel Rod.

No. D10—Length 10 ft.....\$5.00
No. D12—Length 12 ft.....5.50

PRUNING SHEARS
VILLAGE BLACKSMITH

Special Heavy

No. V30—26 in. Long, with Lock Nut, Notched Blade.....\$3.50

HEDGE SHEARS
VILLAGE BLACKSMITH

Forged Crucible Steel, Notched, Hammer Finish, Hardwood Handles, Green Enamelled Ferrule

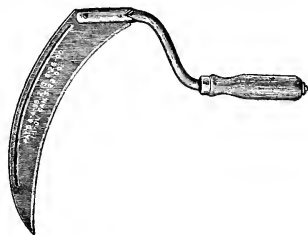
No. 900—Length of Blade 9 in.....\$3.00
No. 1000—Length of Blade 10 in...\$3.25

V. B. SPECIAL LIGHT WEIGHT
With Serrated Edge

No. 660—Length of Blade 6 in., Best Grade Forged Cutlery Steel, Special Design and Offset, Hammer Finish\$2.25

No. 600—6 in., Smooth Edge.....\$1.85

**GRASS HOOKS
LITTLE GIANT JUNIOR**



No. 25—12 in. Best Quality Steel Blade, Natural Finish, Attached to Forged Oval Steel Shanks by Bolts and Nuts, Easily Removed for Grinding, Hardwood Handle, Steel Ferrule50c

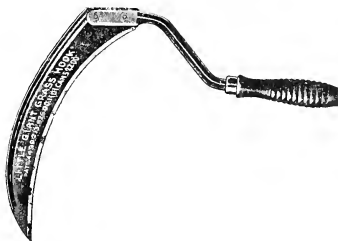
VILLAGE BLACKSMITH



No. 3VB—Forged Bar Tool Steel, Blade Natural Hammer Finish, Full Polished Upper Side, Thoroughly Tempered and Ground Sharp, Offset Shank, Turned Maple Handle75c

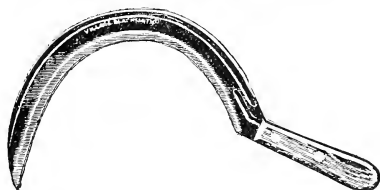
By the one-piece offset the hand is removed from the ground, enabling the user to have a clear swing with blade close to the ground.

**GRASS HOOKS
LITTLE GIANT**



No. 50—Polished Sheet Steel Blade, Hardened and Tempered in Oil, 12½ in. Cut, 2 in. Wide at Heel, Polished on Upper Side, Natural Color on Under Side, Bolted to Drop Forged Steel Shank, Painted Red, 5¼ in. Black Enameled Ribbed Wood Handle, Riveted on Tang of Shank.....75c

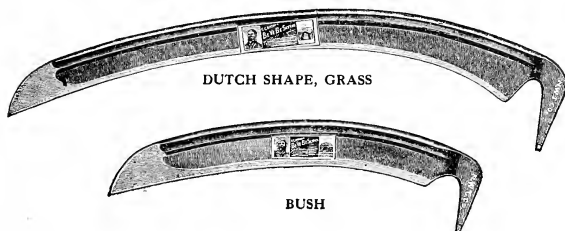
VILLAGE BLACKSMITH



No. 4VB—Corrugated Cutlery Steel Blade, Ground Wide Thin Sharp, Temper Finished Blade, Securely Riveted Hardwood Handle.....60c

SCYTHES

Be Ve Be Scythes



BE VE BE

Be Ve Be (Best-Very Best) Scythes have a patented rib or stiffening device at the junction of the set and web. Severe tests have proved this combination to make the stiffest scythe blades on the market. **Best Crucible Steel** used.

LITTLE GIANT

The Genuine "Little Giant" Scythes bearing the label shown herewith are made of the **best**

crucible steel—the same grade used years ago, which, combined with better facilities of manufacturing, makes them even better than the old-time Scythes.

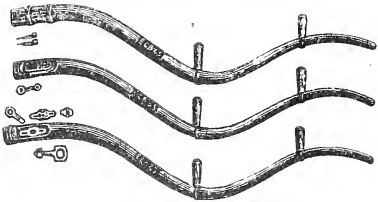
The rib that runs from end to end increases its strength to half the amount of the back without adding any weight, which overcomes that trembling which is felt in mowing heavy grass with cheap and plain scythes.

No. 5—GRASS—Dutch Shape—Best Quality Crucible Steel, Charcoal Tempered, Natural Finish, Cutting Edge Polished and Sharpened Ready for Use, 28 to 32 in. **\$2.00**

No. 30—BUSH—Best Quality Crucible Steel, Charcoal Tempered, Natural Finish, Cutting Edge Polished and Sharpened Ready for Use, 18 to 20 in.**\$2.00**

No. 100—WEED—Best Quality Crucible Steel, Charcoal Tempered, Natural Finish, Cutting Edge Polished and Sharpened Ready for Use, 22 to 24 in.**\$2.00**

SCYTHE SNATHS



Made from the highest grade Northern Second Growth Ash. Each stick is split with the grain of the wood.

GRASS

No. 50—Swing Socket Loop Heel Grass Snath.....\$1.50

BUSH

No. 105—Two Ring Patent Loop Bush Scythe.....\$1.75

PRUNING AND PRUNING SAWS



No. 3 TABLE PRUNER

The blade is made of Silver Steel and, therefore, has unusual edge holding qualities. In 20 inch length, the blade is 2 $\frac{5}{8}$ inches at the handle and 1 inch at the point. Handle of fine hardwood, thoroughly seasoned. Varnished edge and fastened to blade by two brass screws.

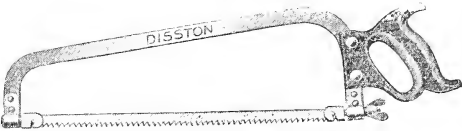
No. 3—18 inch, \$1.40. 20 inch, \$1.50



No. 40 DUPLEX PRUNER

Made of Silver Steel, specially hardened and tempered. Will require very little refiling. Toothed on one edge with tittle shaped teeth for extra heavy coarse work and with fine tooth on the opposite edge for fine cutting. The handle is of thoroughly seasoned, air-dried applewood, finely finished, varnished edge, Easy Grip Pattern, fastened to the blade by three brass screws.

No. 40—18 inch, \$1.15. 20 inch, \$1.25



No. 25 TAPERED

The frame is made of extra high quality spring steel, $\frac{5}{8}$ inch wide and $\frac{1}{4}$ inch thick. The blade is of our finest pruning saw steel, blued, 8 points to the inch. The handle is made of beech, thoroughly seasoned, highly finished and polished on edges, fastened to the frame by two brass screws. Blade adjustable, will cut at any angle.

No. 25—14 inch, \$2.25

POINTERS ON PRUNING

Fruit bearing trees pass through two distinct periods of growth. The first, which we may call the "Growing-Up" Period, covers that time during which the energies of the tree are devoted to "wood growth." The second, which we will conveniently designate as the Fruit-Bearing Period, is devoted chiefly to the production of fruit.

During the "Growing-Up" Period, pruning is to a great extent, **mechanical** in effect.

That is, it serves to **build a framework** that combines great strength and bearing capacity with a form well adapted to all orchard operations. This mechanical part of pruning is often called "training" and is usually confined to the first three, four or five years of a tree's life.

Following this period, pruning, of course, has for its chief purpose the **increasing of fruit production**. It is wise, however, to keep in mind the fact that the final net profit from the orchard depends upon factors other than the mere quantity of fruit grown.

For that reason, judicious pruning should be done, not only for the purpose of increasing production, but also to maintain a suitable tree environment so that the fruit which is being grown may attain its full development in color, size and quality, for these things, even more than quantity, will be found to determine the dollars-and-cents value of the harvest.

Besides increasing the quantity and raising the standard of color, size and quality, careful pruning will do much toward reducing the expense of care and harvesting. A mass of tangled branches will invariably make the work of spraying and harvesting difficult as well as unduly expensive and it, therefore, behooves the careful fruit-grower to see that these limbs are cut out and the tree trimmed for **handling** as well as for **fruitage**.

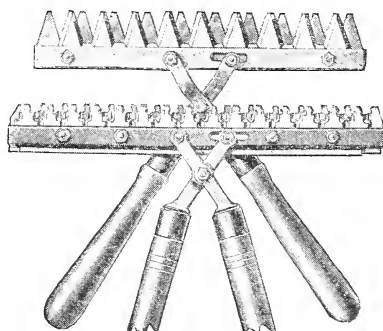
WHAT IS THE BEST TIME OF THE YEAR?

It is not wise to lay down any hard-and-fast rules for the best time of the year to do pruning. This varies with the tree, the orchard, the soil and the climate.

As a usual result, however, it will be found that winter pruning induces wood growth and produces an invigorating effect upon the growth of the tree, while summer pruning checks wood growth and stimulates fruitfulness.

SIMPLICITY TRIMMER

For First Year Growth
Only



SIMPLICITY PRUNER AND TRIMMER

For Pruning Old
Growth and Trimming
New

The Simplicity Trimmer is designed for trimming only and for that purpose it has no equal.

It is a time and labor saver and meets a universal demand in making easy the trimming of fresh growth on hedges and shrubbery.

The Simplicity Trimmer has a twelve inch blade, weighs but two pounds and cuts cleanly both in opening and closing.

Price, \$5.00

The Simplicity Pruner and Trimmer is almost a necessity wherever there is a hedge or shrubbery. Its keen fluted teeth cut cleanly through the old growth and the new, making the old-style pruner or lopping shears seem primitive in comparison.

It has a sixteen inch blade, weighs three pounds, and cuts both in opening and closing.

Price, \$7.50

ALWAYS BUY YOUR SEEDS IN BULK AND WHEN YOU DO BUY
ASK FOR AND GET

LEONARD'S

THIS BRAND IS BEST BY TEST

THOUSANDS OF MARKET GARDENERS USE LEONARD'S SEEDS
GET THE TWO Q's—QUALITY AND QUANTITY

Ear Marking Labels

For Sheep, Hogs, Goats and Cattle

The cut shows our Aluminum Sale Tag. Stamped with large black numerals. Numbers from 1 to 25—1 to 50.

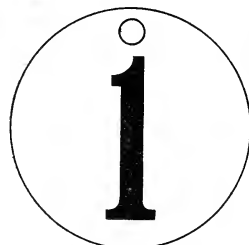
Price: 25, 60c—50, \$1.10—100, \$2.00.

Brass Marking Tags, $\frac{5}{8}$ in. in diameter, with black numerals. Numbered from 1 to 100.

Price: \$1.75 per 100.

Small Pig Teeth Nippers.....Price \$2.25

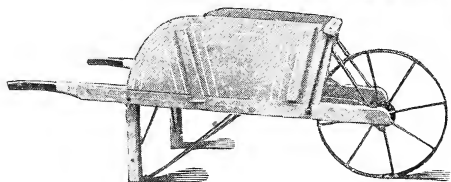
Dana Permanent Ear Tags and Punches—Prices vary according to sizes, quantities, initials and numbers. Will quote prices on request.



Exact Size

Garden Barrows

GLOBE



The Globe Barrow has been on the market for many years, and is well and favorably known.

Bottoms are matched and glued. Nicely painted and striped. Steel wheel.

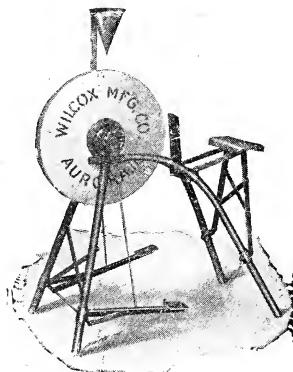
No. 2—Length of Box 30 in., Width at Wheel End 19 in., Width at Handle End 24 in., Depth 12 in., Diameter of Wheel 20 in.....\$7.50

Mounted Grindstones

Tubular steel frame, slightly flexible, permitting same to adjust itself to uneven floors or surfaces. Frame is narrow at top, making it convenient to apply power. Spread at base, giving greater rigidity. Bi-Treadle, with power, properly applied. Stone movable horizontally on frame to suit convenience of operator.

Ball bearing journals and crank attachments fitted with detachable steel axle.

Seat made of steel, adjustable vertically 4 to 5 inches. Made in one size and furnished with one stone, guaranteed best quality Berea Grit, for general grinding. 20 to 22 inches in diameter, $1\frac{3}{4}$ to $2\frac{1}{4}$ inches thick...Price \$10.00.



RU-BER-OLD ROOFING

There are many Ruberoid Roofs still in splendid condition, which were laid thirty years ago. An uncounted number of Ruberoid roofs have withstood fifteen, twenty and twenty-five years of service, without indicating the limit of endurance.

Ruberoid is the best prepared roofing that the Ruberoid Co. can make, and they have had longer experience in the manufacture of prepared roofings than any other concern in the United States.

Price per Square Ruberoid—Medium \$3.00. Heavy \$3.50. Extra Heavy \$4.00.

Price per Square Starex—Light \$1.45. Medium \$1.75. Heavy \$2.15.

Starex is made of cheaper materials, and put out to meet the demand for a medium priced roofing. It is a good piece of roofing for the price.

Our slate surfaced, green and red roofing can't be better for the price—\$2.50 per square. It is put up in strip shingles for \$6.25 per square.

Paints, Varnishes

Foreign and Domestic
Spring and Fall
BULBS

PLANTS AND NURSERY
STOCK SECTION



OUR REPUTATION
is based on the Tripod of
Quality and Service and Price

The MARTIN-SENOUR Co.
100% Pure Paint
MONARCH

Monarch Paint is Composed Absolutely
of PURE WHITE LEAD
PURE OXIDE OF ZINC
PURE LINSEED OIL
AND COLOR

Which Are the Best Known Ingredients
for Paints

Monarch Paint is guaranteed absolutely pure, is sold subject to chemical analysis and being made of pure materials it covers 25 per cent more surface, wears longer, and is therefore more economical than adulterated paint or lead and oil.

Monarch Paint has given entire satisfaction for over 40 years.

SENOUR'S FLOOR PAINT

Is a varnish paint and made to dry very hard with a high lustre and sufficient hardness and elasticity to withstand the wear and tear to which floor paints are subjected.

NEU-TONE

A washable flat wall paint for interior decoration. It dries with a soft restful and beautiful finish, showing neither gloss nor lustre, and the colors are permanent under all conditions.

**WOOD-VAR
COLORED VARNISH**

A beautiful and durable permanent finish for every class of interior wood-work, furniture, bric-a-brac or floors, and equal results are obtained on either old or new work.

Wood-Var is a combination of permanent stains, unsurpassed for clearness and richness of tone, combined with the highest grade of varnish possessing remarkable wearing elasticity and weather-resisting qualities.

Wood-Var is easy to apply, as it flows out well under the brush and dries without showing brush marks. It is prepared so that it brings out the beautiful grain of the wood and gives a richness of tone that will not fade or rub off.

By the use of Wood-Var, the less expensive woods can be made to closely resemble the more costly ones, such as Oak, Mahogany, Walnut, etc., while unsightly pine floors may be made to resemble the most beautiful hardwood floors.

RED SCHOOL HOUSE PAINT

Is made of selected English red oxide, machine mixed and ground in linseed oil. Covers more surface, lasts longer than the coarse hand-mixed materials.

Made in popular colors, including white.

For barns, fences, roofs, out-buildings and grain elevators.

WAGON and TRACTOR PAINT

For finishing and refinishing wagons, tractors, sleighs, farm implements and all surfaces for which durability is essential and where appearance should be considered.

SCREEN ENAMEL

For protecting both the frame and the wire and is made expressly for this purpose. Black, green and white.

Screens should be gone over every year, and it will be found they will stand the weather better and last longer if given two coats.

**PORCH AND
LAWN FURNITURE ENAMEL**

Is made from materials especially selected for the purpose. Ground in varnish, that, through many trying tests, has proved its ability to resist wear and maintain its gloss under the hardest exposure.

**AUTO FLAT
AND VARNISH FINISHES**

Refinish Your Car the Same Way the
Automobile Painter Would Do It.

Martin-Senour Co. have developed materials that are perfect in every respect—that have been made so that the most inexperienced can get fine results.

Many automobile owners are skeptical and hesitate to attempt repainting their own car.

—BUT—

By using Martin-Senour Auto Flat and Auto Varnish Finish you can get as fine a finish as though done by a professional.

LONG LIFE

**Doubles the Life of Your Brush and
Keeps It Like New Until Worn
Too Short for Use**

"LONG LIFE" is a preservative in which both new and used brushes should be kept submerged while not in use. The new brushes will be kept soft and pliable and will be prevented from ever becoming "Lousy." The bristles will retain their animal life and will always be ready for service. Old brushes will be softened and renewed and made to work smoothly until worn too short for use.

MARTIN VARNISH

100% PURE

MARTIN VARNISHES

Are made from pure varnish gums, pure varnish oils, pure turpentine, and labeled on every can.

100% Pure

Martin Varnishes absolutely contain no benzine, rosin or water, or any other adulterant.

MARTIN'S 100% PURE INTERIOR FINISH

Is an unusually durable and efficient interior varnish. It produces a rich gloss; may be rubbed and will not mar. It is not affected by moisture.

MARTIN'S 100% PURE FLOOR VARNISH

Is not affected by hot or cold water; will not mar or scratch white. Intended for all surfaces subjected to unusual wear.

MARTIN'S 100% PURE VELOUR FLAT FINISH

Gives a perfect imitation of a rubbed finish—either flat or semi-gloss—and saves the expense of such an operation. Can be applied over either old or new varnished surfaces; produces a soft satin finish.

MARTIN'S AMBER-LYTE FLOOR OIL

A wonderful finish for maple floors. Penetrates deeply into the pores of the wood, which acts both as a filler and surfacer. Dirt and grease spots cannot adhere to a surface finished with Amber-Lyte and scrubbing is reduced to a minimum.

Kyanize

KYANIZE

Kyanize FLOOR FINISH

Excellent for both Floors and Furniture.

Kyanize Floor Finish is a colored varnish made expressly to resist scuff and hard wear. It is also very satisfactory for standing woodwork, doors and wainscoating.

Kyanize WHITE ENAMEL

The outstanding characteristics of Kyanize Enamel are its extraordinary durability, its smoothness in working under the brush, its elasticity, making it impervious to cracking, checking, peeling or softening; its ability to retain its marked whiteness and porcelain-like surface for a prolonged period.

The Kyanize New Tints carry the same unvarying qualities which have distinguished Kyanize White Enamel from all inferior products.

Kyanize WASHABLE CELOID FINISH

A semi-gloss or celoid enamel finish for all walls, woodwork and furniture. A finish that dries over night with a satin-like lustre. A very satisfactory finish for kitchen walls that require frequent cleaning. Made in white and delicately tinted shades. Very durable.

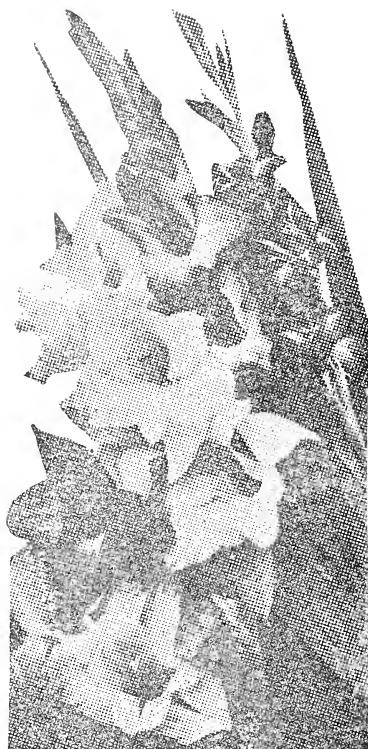
Kyanize BABY CAB ENAMELS

Whatever else may be desired in a baby carriage, an attractive trim appearance is above all. Our Kyanize Baby Cab Brown, Gray, Ivory and Blue are especially suited to transform the old stained carriage into a bright, lustrous and water-proof vehicle.

RIPOLIN—The Original Holland Enamel Paint

Ripolin is known the world over for its wonderful working and wearing qualities. Long in oil, long in service, and beautiful in effect, it is used on many of the most representative public and private buildings, both in Europe and America.

Gladioli



THE INTEREST DEVELOPED IN THE GLADIOLUS DURING THE PAST FEW YEARS HAS BEEN TREMENDOUS, AND THOUSANDS OF BULBS ARE NOW PLANTED ANNUALLY WHERE DOZENS WERE USED IN THE PAST. THEIR PRESENT POPULARITY IS SURE TO CONTINUE AND INCREASE, AS THEY ARE WITHOUT DOUBT THE MOST ATTRACTIVE AND USEFUL OF ALL SUMMER-FLOWERING BULBS, AND AS A CUT FLOWER THROUGH THE SUMMER AND AUTUMN HOLD A PLACE THAT CANNOT BE TAKEN BY ANY OTHER FLOWER. EVERY GARDEN, NO MATTER HOW SMALL, SHOULD CONTAIN SOME GLADIOLI. NOTHING ELSE OF ITS CLASS COSTS SO LITTLE AND BLOOMS SO READILY FOR EVERYONE IN ANY SOIL OR CLIMATE.

IN BUYING BULBS, SIZE IS NO CRITERION, AS MANY CHOICE SORTS DO NOT PRODUCE LARGE BULBS. THE ESSENTIALS ARE THAT THE BULBS BE WELL DEVELOPED, FIRM, HEALTHY, AND OF BLOOMING AGE.

WE LIST MAINLY PROVEN VARIETIES:

ROSE ASH—A decidedly new color which has attracted the attention of everyone who has seen it; color, ashes of roses..... Each 15c; doz. \$1.50

SENTINEL—Tall strong plant, large, pure rose pink, with white penciled Iris-like throat, late variety..... Each 10c; doz. \$1.00

HOLLYWOOD Each 75c

ORANGE GLORY—Grand orange colored, with beautiful lighter throat, very rich and a striking color; ruffled.. Each 15c; doz. \$1.50

LEIBESFEUER—Very large scarlet, very attractive..... Each 10c; doz. \$1.00

CHATEAU THIERRY—A large wide open flower, bright cerise with red blotch bordered with yellow on lower petals..... Each 10c; doz. \$1.00

LOUISE—A magnificent new lavender, large wide open flower with wine penciling on lower petals, strong grower..... Each 15c; doz. \$1.50

ALICE TIPLADY—Orange saffron..... Each 15c; doz. \$1.50

RED CANNA—Large scarlet, extra tall spike..... Each 10c; doz. \$1.00

ROSELLA—Delicate rose mauve, stained purple and white, large flower on a willowy spike..... Each 10c; doz. \$1.00

GLENDALE—A beautiful dark magenta, an entirely new shade in gladioli; wide open flowers on a tall straight spike..... Each 50c; doz. \$5.00

ARIZONA—Dark rose pink with dark maroon markings on lower petals, strong grower Each 10c; doz. \$1.00

HALLEY—Bright salmon pink, large flowers on a tall spike, a wonderful cut flower and satisfactory in every way; early..... Each 5c; doz. 50c

PENDLETON—A large wide open flower of light pink with a carmine blotch in throat, a very attractive and strong growing variety; one of the best..... Each 10c; doz. \$1.00

EVELYN KIRTLAND—Light pink, deepening towards the edge, brilliant scarlet blotches on lower petals, very beautiful, tall straight spikes... Each 10c; doz. \$1.00

WILBRINK—Sport of Halley; it retains the earliness of that variety but has a beautiful delicate light pink color, similar to America..... Each 10c; doz. \$1.00

PINK PERFECTION—Delicate apple-blossom pink, a large lovely flower of a true La France shading, graceful willowy spike..... Each 15c; doz. \$1.50

PASADENA..... Each 25c; doz. \$2.50

PINNACLE—A very fine lavender, heavily striped with a darker shade, produces enormous blooms in large clusters on tall stiff straight stems.. Each 25c; doz. \$2.50

PRINCE OF WALES—Color a most charming coral pink, the delicate tint is practically without throat markings, very large flowers and many open at the same time..... Each 10c; doz. \$1.00

- LOVLINESS**—Light cream colored blooms, many flowers open at the same time, very large, broad and showy spikes, an extra choice variety... Each 10c; doz. \$1.00
- SCHWABEN**—A clear canary yellow with purplish red throat, largest flower stalk and leaves of all; produces wonderful blooms..... Each 10c; doz. \$1.00
- MRS. WATT**—Glowing American Beauty shade of red; nearly all the blossoms open at one time..... Each 10c; doz. \$1.00
- WHITE GIANT**—An enormous pure white bloom on a tall spike, lily-shaped flower..... Each 15c; doz. \$1.50
- MARCHEETA**—Solid deep red, slightly tinted blue, tall grower and straight spike, is known to grow as many as five branches upon one main spike; a wonderful variety..... Each 25c; doz. \$2.50
- SUMMER**—Rich magenta, light throat, very attractive..... Each 10c; doz. \$1.00
- LE MARCHAL FOCH**—Delicate salmon pink, deepening towards the edges of the petals and brighter in the throat, very large flowers, choice variety..... Each 25c; doz. \$2.50
- ANNA EBERIUS**—Dark velvety purple, throat deeper shade, large flower, greatly admired..... Each 20c; doz. \$2.00
- HERADA**—Blooms of immense size on tall straight spike, the large blooms are pure mauve, glistening and clear, deep markings in the throat.. Each 10c; doz. \$1.00
- SYDONIA**—A new variety; dark violet, nearly a self color, large flowers on a tall spike..... Each 15c; doz. \$1.50
- MRS. FRANCIS KING**—Brilliant vermilion scarlet, most popular and effective variety for all occasions..... Each 5c; doz. 50c
- DORATHY WHEELER**..... Each 10c; doz. \$1.00

Flowering Bulbs for Fall Planting

FALL BULBS PLANTED IN THE GARDEN, BEDS OR LAWN ARE GORGEOUSLY EFFECTIVE WHEN IN FLOWER DURING THE SPRING. OUR STOCK CONTAINS THE LARGEST AND BEST BULBS THAT THE VARIETY PRODUCES DIRECT FROM THE GROWERS—C. J. SPEELMAN AND SONS, SASSENHEIM, HOLLAND.

SINGLE and DOUBLE—EARLY and LATE COTTAGE TULIPS

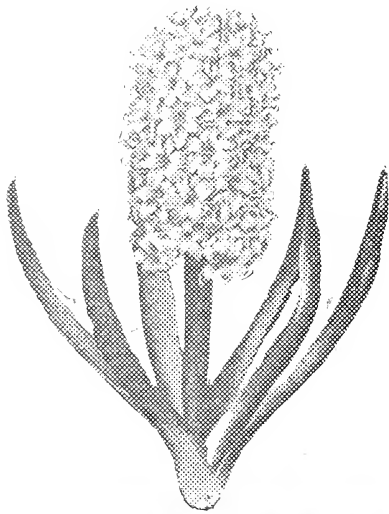
Cottage Tulips are so-called because many of them were found growing in the old cottage gardens of England, Scotland, Ireland and France, where they had been established for 50 years or more. All are very beautiful, presenting a great variety in form and coloring.

	SINGLE	DOUBLE
COTTAGE MAID —Carmine pink.....	\$0.07	\$0.70
INGLESCOMBE YELLOW —Buttercup yellow, late single Cottage can be massed with Darwins....	.07	.70
KAISER KROON —Crimson scarlet.....	.05	.50
LA REINE —Pure white (fine for forcing).....	.06	.60
ARTUS —Bright scarlet (dwarf)....	.06	.60
THOS. MOORE —Apricot orange..	.07	.70
FLAMINGO —Choice pink.....	.08	.80
M'KINLEY —Light carmine.....	.08	.75
YELLOW PRINCE —Fine yellow, sweet scented; good forcer.....	.07	.70

DOUBLE COTTAGE

	Each	Doz.
COURONNE D'OR —Fine Yellow, best double yellow.....	\$0.08	\$0.80
YUURBAAK —Very bright scarlet, immense flower.....	.09	.90
LA CANDEUR —Pure white, beautiful when planted with red.....	.07	.70
MURILLO —Extra fine light pink.....	.07	.70
TEA ROSE —Salmon colored Murillo.....	.07	.70
SALVATOR ROSA —White, flamed deep rose, fine for forcing.....	.09	.90





Superior Dutch Hyacinths

All Select First Size Bulbs
(Not Seconds)

	FORCING	Each	Doz.
GERTRUDE—Rosy pink		\$0.20	\$2.00
L'INNOCENCE—Pure white .....		.20	2.00
GRAND MAITRE—Deep blue....		.20	2.00
YELLOW HAMMER—Golden yel.		.20	.200
MARCONI—Broad light red.....		.20	2.00
BEDDING			
L'INNOCENCE—Pure white .....		.15	1.50
MARCONI—Light red .....		.15	1.50
GRAND MAITRE—Deep blue....		.15	1.50
LA VICTOIRE—New; this is the best new red variety existing to- day; no Hyacinth grower ought to be without this variety.....		.15	1.50

Narcissus, Daffodils and Jonquils

As Cut Flowers Narcissus are especially useful,
being of lasting quality and vasing beautifully.

	Each	Doz.
VON SION—Double—Yellow Perianth, with same double trumpet.....	\$0.12	\$1.25
EMPRESS—A rare beauty, white Perianth, rich yellow trumpet.....	.12	1.25
EMPEROR—Entire flower beautiful yellow, immense trumpet.....	.12	1.25
VICTORIA—A bi-color, famous for large and durable flowers.....	.10	1.00
GOLDEN SPUR—Deep yellow trumpet, one of the grandest Daffodils....	.10	1.00
LUCIFER—White petals, brilliant orange red cup, extra.....	.10	1.00
KING ALFRED—An exceptionally beautiful golden yellow Daffodil.....	.25	2.50
POETICUS ORNATUS—Pure white flowers with orange cup, edged with red	.06	.60
GLORIE VAN SASSSENHEIM—One of the largest trumpet Narcissus, deep yellow trumpet, white Perianth.....	.20	2.00

Crocus---Top Size

Crocus are among the most useful bulbs in any way of gardening, as they are
hardy, early and cheap.

BLUE AND PURPLE—Very fine mixed.....	35c	Doz.
WHITE—Very fine mixed	35c	Doz.
STRIPED—Very fine mixed	35c	Doz.
YELLOW—Very fine mixed	35c	Doz.

Breeder Tulips

The Breeders are the true "Blue Bloods" of the Tulips. They trace their ancestry directly back to the 16th century, to the Tulips that caused the famous Tulip craze in Holland when people traded and sold all their possessions for rare varieties of these bulbs. They are a late, tall growing race, closely related to the Darwins, and resemble these noble Tulips in size, shape and length of stem.

Breeders are distinguished for their rich rare blends of color, many of which are found in no other in existence. Nature's happiest and rarest color combinations of rich purple and bronze, gray and lilac, gold and mahogany, brown and orange, are revealed in this group.

	Each	Doz.
MEDEA—Novelty salmon, carmine, a color that keeps well, one of the larg- est Tulips known	\$0.10	\$1.00
BRONZE KING—Dull golden brown, with olive base, very handsome....	.10	1.00
BRONZE QUEEN—Soft buff tinged with golden bronze.....	.10	1.00
CARDINAL MANNING—Claret-red with rosy bronze sheen.....	.10	1.00

	Each	Doz.
GERARDA—Brownish orange, gold orange inside; fragrant.....	.10	1.00
MAHONY—Magnificent large flowers of rich mahogany brown.....	.15	1.50
YELLOW PERFECTION—Bright bronze yellow; large flower.....	.10	1.00
PRESIDENT LINCOLN—New dark purple.....	.10	1.00

Parrot or Dragon Tulips

A very brilliant and showy Tulip, the colors ranging from yellow to deep brown, intense scarlet and fiery crimson. They get their name from the beak or horn formed by the petals, giving them a unique, ragged appearance.

	Each	Doz.
MARKCRAAF VON BADEN—Yellow, scarlet and green.....	\$0.10	\$1.00
CAFE BRUN—Rich brown .....	.10	1.00
CRAMOISIE BRILLIANT—Deep crimson with large black star-shaped center; the finest and best of all Parrot Tulips.....	.15	1.50

Giant Flowering Darwin Tulips

THE MONARCH OF ALL TULIPS

The Darwins are truly the acme of perfection in Tulips with their mammoth superbly formed blooms of riotous colors borne on tall, strong, graceful stems. The flowers of the Darwins are usually gracefully egg-shaped with very little or no flare at the top. They have a wonderful range of color, white blush, pink, lilac, heliotrope, rose, crimson, maroon, purple, black and all the intermediate shades. They start blooming the middle of May and continue for a long period at a time when many early spring flowers have gone and before summer flowers begin to bloom. As this Queen of all the Tulips is becoming better known it is growing in popularity by leaps and bounds. If you want a bed of Tulips that will be the admiration of your neighborhood, do not fail to plant Darwins.

	Each	Doz.
BARONNE DE LA TONNAYE—Rose shaded blush.....	\$0.07	\$0.70
CLARA BUTT—Beautiful soft salmon rose.....	.06	.60
MASSACHUSETTS—Soft rose, tinted purple, pink edges, pink inside, white base .....	.08	.80
MADAME KRELAGE—Bright lilac-rose, margined with pale silver rose, inside soft rose pink.....	.08	.80
PRIDE OF HAARLEM—Magnificent flower of large size, coloring salmon rose shaded with scarlet, electric blue base.....	.06	.60
REV. H. EWBANK—Large flower of silver lavender shading towards the center into bluish heliotrope.....	.07	.70
SIERAAD VAN FLORA—Large flower, solid rose color.....	.08	.75
WM. COPLAND—Delicate lavender; best for early forcing.....	.08	.75
ZULU—Very large flower of rich violet black, tall stiff stem.....	.07	.70
WHITE QUEEN—Pure white faintly flushed with pink.....	.08	.75
FARNCOMBE SANDERS—Brilliant orange scarlet with clear white base, extra fine .....	.07	.70

Choice Nursery Stock

The quality and high grade of stock listed in this catalogue is not to be classed with other catalogue stock. Our stock is extra heavy and handled in a first-class manner from the time it is planted in the nursery until it reaches our customers.

Our nursery connection is direct with the Northern Illinois growers (therefore acclimated to this territory) backed up by 30 years of faithful service—everything being of the highest grade and quality, also true to name.

Notice to Customers

QUALITY FIRST

Mr. Winter and Sons, Proprietors of our Nursery
Connection Are Members of the American
Association of Nurserymen

Their Slogan is---

Trustworthy Trees and Plants

Their reputation being backed up by 30 years of faithful service to their customers. If you are a customer once, you are one always, as their stock sells itself. Being of the highest grade and quality, also true to name.

Our prices are the very lowest it is possible for us to sell our stock at and you to receive the grade and quality for which our stock is noted.

*Special care is taken at all times
to keep stock strictly true to name.*

Mr. Winter and his three sons oversee the work from the time it is propagated until it leaves the nursery. The stock we list is strictly selected stock of the highest quality. Properly grown, properly dug and handled from the time of digging until it reaches the planter.

(Copy of inspection from State Entom-
ologist with each and every package.)





APPLES AND CRAB APPLES

	Each	Dozen
No. 1 Grade—3 years.....	\$1.00	\$11.00
Extra Heavy Grade—3 years.....	1.25	14.00

SUMMER AND AUTUMN

Duchess of Oldenburg—Good sized, striped with red and yellow. Very young heavy cropper. Most popular summer apple.

Red June—Upright growing tree. Fruit very dark red, ripening with the very earliest.

Red Astrachan—Tree vigorous, upright, hardy and productive. Fruit medium size and striped on greenish yellow; flavor acid.

Sweet June—Fruit yellow; very early summer and of good quality.

Wealthy—Large red and yellow striped, sub-acid and very productive. Best Fall variety for this locality.

Yellow Transparent—Tree a hardy upright grower; regular and early bearer. Medium size; color a rich transparent yellow. Juicy, sub-acid.

WINTER APPLES

Grimes Golden Pippin—Medium sized, beautiful golden yellow color and of high quality.

Jonathan—Medium sized, rich, juicy, red with yellow shade. Young cropper and a good keeper.

McIntosh Red—Fruit deep crimson, of high quality and of good size; very choice.

Staymens Winesap—Fruit medium sized, dark red, sub-acid, good quality and a long keeper.

Talman Sweet—Medium size, pale yellow slightly tinged with red; firm, rich and sweet, and excellent for preserving. Vigorous and very hardy.

Winter Banana—Vigorous growing tree. Early bearer, good size fruit, handsome yellow color shaded with pinkish blush.

Wolf River—Largest early Winter apple; largest of all apples grown. Color deep red and is a good cooking apple. Single apples have been known to weigh as much as 32 ounces.

Delicious—The apple being so highly recommended throughout the country for its high quality. Bears annually; great yielder; hangs well on trees. Fruit very large nearly covered with brilliant dark red; flesh fine grained, crisp, juicy, melting and delicious. Splendid keeper and shipper; should be in every orchard. One of the very best apples grown, @ \$1.25 each.

CRAB APPLES

Hyslop—Deep crimson, one of the most beautiful red; very popular variety.

Whitney No. 20—Large, skin smooth, glossy green striped, splashed with crimson. Very popular. Tree fine shapely grower.

PEARS

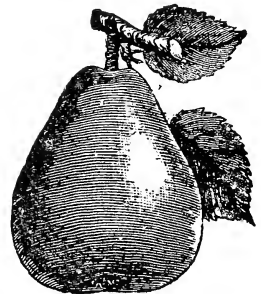
	Each	Dozen
No. 1 Grade—3 years.....	\$1.00	\$11.00
Extra Heavy Grade—3 years.....	1.25	14.00

Kieffer—Large, handsome appearing, late Fall. Best for canning and shipping.

Bartlett—Large sized, color yellow, very juicy and high flavored. Best quality. Bears early and abundant.

Seckel—Small yellowish russet. Sweet, and very good quality. Last of August.

Duchess D'A., Dwarf—The largest pears grown. Good cropper, very good quality. Dwarf tree.





35,000 PEACH IN THIS BLOCK

CHERRIES

	Each	Dozen
No. 1 Grade—3 years.....	\$1.25	\$14.00
Extra Heavy Grade—3 years.....	\$1.50 and 2.00	14.00
Early Richmond —Medium sized, dark red. Old fashioned, best early cherry.		
Montmorency —Large, medium early, productive, and a good all around cherry. Ripens 10 days later than Early Richmond.		
Wragg —Black, very late, heavy cropper.		
Compass —New. Fine for canning or eating; heavy cropper. Cross between a cherry and plum.		

PLUMS

	Each	Dozen
No. 1 Grade—3 years.....	\$1.00	\$11.00
Extra Heavy Grade—3 years.....	1.25	14.00
Lombard —A very large blue. Juicy, and a heavy cropper.		
Shippers' Pride —Large fruit, dark purple color; excellent for canning.		
Burbank —Large, globular, brick-colored. Flesh yellow, medium early.		

HANSEN HYBRID PLUMS

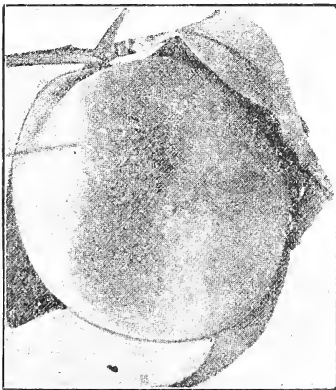
Opata —Very early and productive, fruit of medium size. Dark red skin green flesh, good quality.		
Sapa —Skin dark purple, flesh dark red. An early bearer, and a good cropper.		

PEACHES

	Each	Dozen
No. 1 Grade.....	\$0.75	\$ 8.00
Extra Heavy Grade.....	1.00	11.00
Greensboro —Large, juicy, beautiful colored, very early.		
Champion —One of the very largest. Medium early, white with red cheek. Very juicy, heavy cropper.		
Elberta —Very largest market and canning peach. Color yellow. Meat firm.		
J. H. Hale —Larger than Elberta. Golden yellow. Very desirable.		

QUINCE

	Each
No. 1 Grade.....	\$1.50
Meech's Prolific —Large fruit and good for preserving.	

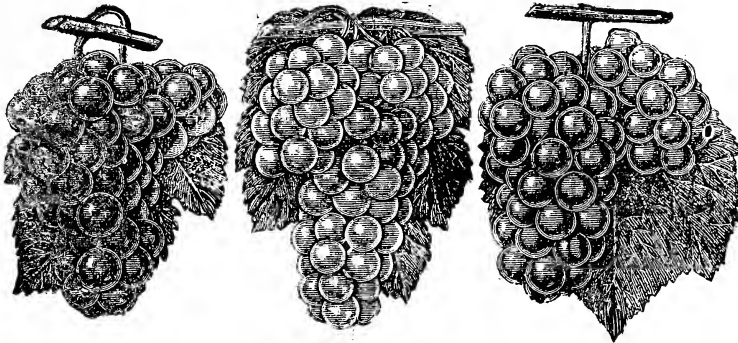


APRICOT

No. 1 Grade.....	Each \$1.50
Early Golden —Yellow fruit. Fine for eating or canning.	

MULBERRY

No. 1 Grade.....	Each \$1.00
Extra Heavy Grade.....	1.50
Russian —A strong, hardy, rapid growing tree, and a good cropper.	



GRAPES

- Concord**—The old reliable black grape. Does not need any description. 2 year old @ 35c each—\$3.00 per dozen. 3 year old @ 40c each—\$4.00 per dozen.
- Moore's Early**—Very large black. One of the earliest, @ 50c each—\$5.00 per dozen.
- Niagara**—This choice and profitable variety is one of the best white. Bunches very large and compact, @ 50c each—\$4.50 per dozen.
- Agawam**—Very large. Color light red. Rich aromatic flavor, @ 50c each—\$4.50 per dozen.
- Brighton**—Color dark red. Flesh rich, and of best quality, @ 50c each—\$4.50 per dozen.

CURRENTS



- Fays Prolific**—Large red. The old standard variety. Very large fruit. First class, @ 40c each—\$3.50 per dozen.
- Cherry**—Fruit large red. Somewhat on the order of Fays Prolific. First class, @ 40c each—\$3.50 per dozen.
- White Grape**—Color white. Mild; good for eating or canning, @ 40c each—\$3.50 per dozen.
- Lee's Prolific**—Black. Very good English variety. Large fruit, @ 40c each—\$3.50 per dozen.
- Perfection**—Large red, best of all. Very heaviest cropper, and very satisfactory. The best Currant grown to this day. Fine for table use when ripe. First class, @ 50c each—\$4.50 per dozen.

GOOSEBERRIES

- Downing**—Fruit large, light green. Flesh soft, juicy and fine flavored, @ 40c each—\$3.50 per dozen.
- Smith's Improved**—Good sized, greenish yellow. Very satisfactory. Considered the best, @ 40c each—\$3.50 per dozen.
- Red Jacket**—American variety, large, color red. Good quality, @ 40c each—\$3.50 per dozen.

RASPBERRIES

- Gregg**—Black. Old popular variety of Black Caps, @ \$1.00 per dozen—\$7.00 per 100.
- Cumberland**—Black Cap. Very best all around Raspberry. Large and heavy cropper; 1 year No. 1 @ \$1.00 per dozen—\$7.00 per 100. 2 year No. 1 @ \$1.50 per dozen—\$10.00 per 100.
- Columbian Red**—Dark red, propagates from tips, same as Black Caps. Does not spread. Heavy cropper. 1 year No. 1 @ \$1.25 per dozen—\$8.00 per 100. 2 year No. 1 @ \$1.50 per dozen—\$10.00 per 100.
- Early King**—Light red. Strong grower and perfectly hardy. Heavy cropper and good shipper. 1 year No. 1 @ \$1.00 per dozen—\$7.00 per 100.
- Cuthbert**—Large deep rich crimson. Firm and of excellent quality. Hardy and very productive, @ \$1.25 per dozen—\$8.00 per 100.
- Golden Queen**—A seedling of the Cuthbert. Color golden yellow. Heavy cropper, extra fine quality, @ \$1.50 per dozen—\$10.00 per 100.

BLACKBERRIES AND DEWBERRIES

- Snyder**—The only hardy profitable Blackberry of this community. Extra strong @ \$1.25 per dozen—\$8.00 per 100.
- Eldorado**—Supposed to be hardy. Large fruit and one of the newer popular varieties. Extra strong @ \$1.50 per dozen—\$10.00 per 100.
- Lucretia Dewberries**—Low growing trailing Blackberries. In size and quality it equals any of the upright growing varieties. Extra fine @ \$1.50 per dozen—\$10.00 per 100.



STRAWBERRIES

- These varieties we would recommend most highly of all. Leave selection to us, and we will give you the most suitable varieties for best results. We also handle other varieties not listed.
- Senator Dunlap**—Leading variety. Color dark red. Good size and very productive. One of the best for market.
- Bederwood**—One of the best early. Good cropper.
- Gandy Prize**—For our best late variety.
- Sample**—Also best late variety.
- General collection of above varieties @ \$2.00 per 100—\$10.00 per 1,000.
- Progressive (Everbearing)**—New everbearing. Bears late in Fall, @ \$3.00 per 100.

ASPARAGUS

	Dozen	Per 100
Two year No. 1.....	\$0.75	\$4.50
Improved Palmetto—Strong 2 year plants. The best of all varieties.		

RHUBARB

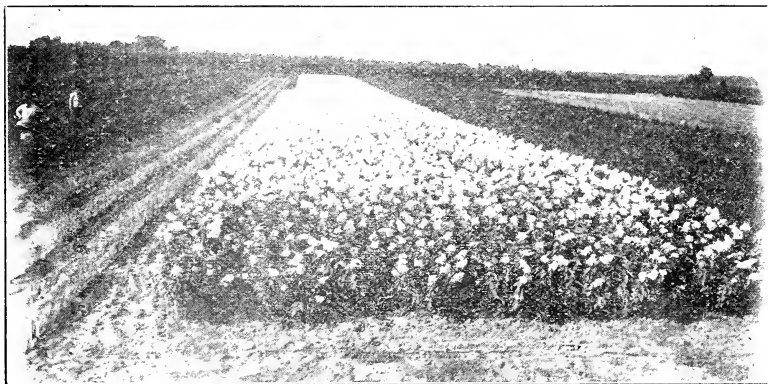
- Wineplant**—Supposed to be the best standard variety, @ 25c each—\$2.50 per dozen.

SHADE AND ORNAMENTAL TREES

- Ailanthus—Or Tree of Heaven**—Fine ornamental tree for lawn planting @ \$1.00 each.
- Crab**—Bechtel's Double Flowering—Beautiful double rose-like flower. Very sweet-scented. Beautiful lawn tree. Dwarf @ \$1.25-\$1.50 each, according to size.
- Prunus Triloba or Double Flowering Plum**—Very desirable ornamental tree. Blooms early Spring. Highly recommended, @ \$2.00 each.
- Elm, American White**—Needs no description, @ \$1.50 and \$2.50 each, according to size.
- Horse Chestnut—European**—Dense green, beautiful foliage. Very shapely tree, @ \$2.50 each.
- Judas Tree or Red Bud**—Dwarf growing tree. Covered with mass of red flowers before the leaves appear in the Spring, @ \$1.25 each.
- Maple, Norway**—Has large compact habit, with broad deep green foliage, and vigorous growth. From \$1.25 to \$3.00 each, according to size.
- Maple, Sugar**—A stately form with fine rich foliage, @ \$1.50 to \$3.00 each, according to size.
- Maple, Silver or Soft**—@ \$1.50 to \$2.50 each, according to size.
- Poplar, Lombardy**—The most rapid growing of all shade trees, upright grower, @ \$1.00-\$1.50-\$2.00 each, according to size.
- Sycamore, American**—Becoming the most popular hard-wooded tree of this western country. Large foliage, and rapid growing, @ \$1.50 to \$2.50 each, according to size.

ORNAMENTAL WEEPING TREES

- Catalpa Bungeii or Umbrella Tree**—Very umbrella-like appearance. Fine tree for lawn. Grafted tops, @ \$2.50 to \$3.50 each, according to size.
- Elm, Camperdown Weeping**—Vigorous grower, and forms one of the most picturesque drooping trees. Large and green glossy foliage and rapid growing, @ \$3.50 each.
- Mulberry, Teas' Weeping**—One of the finest weeping trees for lawn planting. Also bearing full of red fruit in the summer, @ \$3.50 each.



10,000 HARDY HYDRANGEA

ORNAMENTAL SHRUBS

- Spirea Van Houtte or Bridalwreath**—The most showy of all Spireas. Completely covered with snow white flowers. One of the best hardy shrubs. No. 1 grade @ 50c each—\$5.00 per dozen. Extra heavy grade @ 75c each—\$8.00 per dozen.
- Spirea Thunbergii**—Medium low growing, white flowers, @ 50c each—\$5.00 per dozen.
- Spirea Froebelli**—Or dwarf Spirea. Commencing to bloom in June and will continue almost throughout the Summer. Red clusters of blossoms. No. 1 grade @ 50c each—\$5.00 per dozen. Extra heavy grade @ 75c each—\$8.00 per dozen.
- Spirea Callosa Alba**—A white flowering variety of dwarf habit. No. 1 grade @ 50c each—\$5.00 per dozen. Extra heavy grade @ 75c each—\$8.00 per dozen.
- Spirea Billardi**—Pink plume like blossom late Fall, @ 50c each—\$5.00 per dozen.
- Butterfly Bush**—A new plant which is heavily advertised. A Summer blooming Lilac. Strong blooming plants, continuous bloomer, @ 75c each.

- Hydrangea Paniculata Grandiflora**—A fine hardy shrub with largest white flowers turning to pink, and sometimes reaching 10 and 12 inches in diameter, with proper care. Bush form, @ 75c and \$1.00 each. Also TREE FORM, @ \$2.50 each.
- Hydrangea, New Everblooming**—Known as Hills of Snow. Supposed to be Everblooming, @ 75c and \$1.00 each.
- Red Dogwood or Cornus**—Beautiful for its bright red shiny bark in the Winter. Very desirable, @ 50c each—\$5.00 per dozen.
- Yellow Dogwood**—New. Bark yellow as butter. Great contrast with above. A shrub for Winter effect, @ 75c each—\$8.00 per dozen.
- Philadelphus or Mock Orange**—Very showy plant with waxy sweet scented white flowers, @ 60c and 75c each.
- Forsythia or Golden Bell**—A fine shrub. Blossoms golden yellow before the leaves appear in the Spring. Very showy, @ 50c each—\$5.00 per dozen.
- Bush Honeysuckle**—Very hardy and good for ornamental planting. Pinkish red bloom late in the season, becoming covered with red berries in the Fall. Three varieties, @ 50c each—\$5.00 per dozen.
- Weigelia Rosea**—Elegant shrub with colored flowers. Blooms in May, @ 75c each—\$8.00 per dozen.
- Currant, Yellow Flowering**—One of the best sweet scented, early yellow blooming shrubs, @ 50c each—\$5.00 per dozen.
- Lilac, Persian Purple**—One of the freest bloomers of all, @ 50c, 75c and \$1.00 each, according to size.
- Lilac, White**—White flowering, sweet scented, @ 50c each—\$5.00 per dozen.
- Snowball**—A plant which does not need any description. Fine plants, @ 50c and 75c each.
- High Bush Cranberry**—Species of Snowball. Heavily covered with red berries in the Fall. Fine foliage, @ 50c and 75c each.
- Viburnum Lantana—Or Wayfaring Tree**—@ 75c each.
- White Snowberry**—Very fine shrub. Completely covered with white berries after the leaves drop in the Fall, @ 50c and 75c each.
- Golden Elder**—Noted for its yellow foliage. Strong growing plants @ 50c each.
- Rhodotypus Kerrioides**—Choice Japanese shrub. Noted for its beautiful foliage and white flowers, @ 50c each.
- Double Flowering Almond**—Very double, rose shaped, small flower. Very beautiful, @ \$1.00 each.
- Althea, Rose of Sharon**—Choice variety of late showy flowering plant. In four colors, bush form, @ 75c and \$1.00 each, according to size.
- Althea, Rose of Sharon**—Tree form, three colors. Extra fine, @ \$2.00 each.
- Calycanthus or Sweet Scented Shrub**—Chocolate colored blossoms, with most highly scented bark of all shrubs, @ 50c each.
- Rhus, Cut-Leafed**—Very fringed leafed foliage, changing to highly colored foliage in the Autumn. Very attractive, @ 50c each.
- Rhus, Aromatica**—The sweet scented Rhus. A very rare plant, @ 75c each.
- Tamarix**—New variety. Very showy fringed leafed plant, with pinkish plume like bloom, @ 75c each.
- Aralia Spinosa**—A very wonderful large shrub or small tree. Has dark green fern like foliage of enormous size, @ 75c each.
- Japan Quince**—Planted alone it is very attractive. Brilliant crimson flowers. Among the first in the Spring, @ 50c each—\$5.00 per dozen.
- Deutzia, Pride of Rochester**—Very ornamental flowering shrub, @ 50c each.

ORNAMENTAL HEDGE FOR LAWN PLANTING

Privet, Amoor River—The only good strictly hardy Privet grown. Thornless, and stands pruning to any desired shape. Privet is one of our specialties, and have grown it for twenty years, and highly recommend it for lawn hedging. It greatly beautifies and improves property. To be planted 10 inches to one foot apart for a good compact hedge. 18 to 24 inch @ \$15.00 per 100. 2 to 3 feet @ \$20.00 per 100. 3 to 4 feet @ \$25.00 per 100.



50,000 CHOICE JAPANESE BARBERRY IN THIS BLOCK

Barberry Thunbergii or Japan Barberry—A pretty species of dwarf habit, small foliage, changing to coppery red in the Autumn. Very desirable for clump planting in landscape work and ornamental hedging. After foliage drops in the Fall it is covered with red berries. Can be trimmed to any desired shape if so wanted. We can furnish these in three different sizes, as follows: 25c each, \$3.00 per dozen or \$20.00 per 100. 30c each, \$3.50 per dozen or \$25.00 per 100. 35c each, \$4.00 per dozen or \$30.00 per 100.

HARDY CLIMBING VINES

Boston Ivy or Ampelopsis Veitchii—Very beautiful plant, clings to any smooth surface. Leaves color most beautiful red in Autumn. Best and most popular of all climbing vines. 2 year old @ 50c each. 3 year old @ 75c each. 4 year old @ \$1.00 each.

Virginia Creeper or Ampelopsis Engelmanii—Very strong growing plants for covering trellises. Very clean foliage which does not mildew. Most rapid climber, @ 75c and \$1.00 each.

Hall's Japan Honeysuckle—A strong, vigorous, almost evergreen sort, with pure white flowers, changing to yellow. Very fragrant, @ 75c each.

Scarlet Honeysuckle—A strong grower, and produces unodorous flowers all summer, at 50c and 75c each.

Purple Wistaria—Produces long tresses of purple flowers, @ 50c and 75c each.

Clematis Paniculata—One of the most showy of all flowering climbing vines. With solid mass of bloom in August and September. Flower white, very fragrant, @ 75c and \$1.00 each.

Clematis Jackmanii—Very large flowering, dark blue, very showy, @ \$1.25 each.

Clematis Henryii—Very large white flowering and very showy, @ \$1.25 each.

Trumpet Vine—Good hardy climber, with clusters of large, trumpet shaped, scarlet flowers in August, @ 50c each.

HARDY CLIMBING ROSES

Crimson Rambler—Bright crimson flowers, in large dark red clusters, @ 75c and \$1.00 each.

Dorothy Perkins—Pink or white. Beautiful clusters of shell pink or white flowers, @ 75c and \$1.00 each.

Excelsa—Color deep crimson and scarlet. Flowers large and double, coming in clusters. Profuse bloomer, @ 75c and \$1.00 each.

Prairie Queen—Bright, large, rosy red. Similar to Hardy Perpetual roses, @ 50c each.

Hiawatha—Blooms large clusters of single flowers of intense deep crimson. Makes a very effective showing, @ 75c and \$1.00 each.

HARDY PERPETUAL ROSES

- Lady Hillingdon**—Yellow. Makes exquisite buds of deep apricot yellow, shading to orange. Very fragrant and a free bloomer, @ 75c and \$1.00 each.
- Mme. Caroline Testout**—Clear rich pink, finely edged with rose color, @ 75c and \$1.00 each.
- Gruss An Teplitz**—Deep crimson, passing to fiery red. Freest bloomer of all, @ 75c and \$1.00 each.
- F. K. Druschki**—The best white in existence. With long buds and immense double flowers. Blooms continuously, @ 75c and \$1.00 each.
- Paul Neyron**—The best and largest rose. Clear pink, and the freest bloomer, @ 75c and \$1.00 each.
- M. P. Wilder**—Extra large flowers. Color deep red. Strong grower and free bloomer, @ 75c and \$1.00 each.
- Caprice**—Striped pink and white, @ 75c and \$1.00 each.
- Prince Camille de Rohan**—Very dark, velvety crimson, almost black. Best dark rose produced. Flowers large and sweet, @ 75c each.
- Moss Rose**—Pink, @ 75c and \$1.00 each.

EVERGREENS

- Yucca Filamentosa**—An evergreen plant holding its green foliage all Winter. It has blossom stems about 3 feet in height, with cream colored, waxy white, bell shaped flowers, @ \$1.00 each.

PAEONIES

This is the wonderful Decoration Day flower, and one of the oldest and finest of all flowers grown. Once planted always there, and increases in number of blossoms each year as the roots grow larger. We have an exceptionally fine collection of the choicest varieties in double red, white and pink, and the different shades in between. Our plants are not to be compared with the cheap varieties in cut-up plants usually listed. Larger grades of plants listed will bloom the first season with little care.

- Couroune d'Or**—White, reflexed yellow, tipped with carmine. Large flat rose type, @ 75c and \$1.00 each.
- Delicatissima**—Pale lilac rose, with creamy white stigmas. Strong, tall grower, @ 75c and \$1.00 each.
- Duchesse de Nemours**—Sulphur white, with pure white crown, with greenish reflex, @ 75c and \$1.00 each.
- Edulis Superba**—Bright dark pink, shaded with violet. Large strong, upright grower, @ 75c and \$1.00 each.
- Felix Crousse**—Very brilliant red. Flame center. Strong grower, @ \$1.00 and \$1.25 each.
- Festivia Maxima**—Snow white, flecked crimson. Creamy white at base of petals, @ 75c and \$1.00 each.
- Glory of Boskoop**—Color pure white, well shaped bloom. Fine bloomer, mid-season, @ 75c and \$1.00 each.
- Livingstone**—Pretty, soft pink, with silvery reflex. Center flecked carmine, @ \$1.50 each.
- Louis Van Houtte**—Red, shading to dark crimson. Semi-rose type. Fragrant, @ 75c and \$1.00 each.
- Mme. De Verneville**—Pure white, center blush, fading to pure white, @ 75c and \$1.00 each.
- Mons Jules Elie**—Pale rose lilac, with silvery reflex. Collar amber, yellow shaded, @ \$1.50 and \$2.00 each.
- Neptune**—Lilac white, with milk white collar. Light flesh salmon, @ 75c and \$1.00 each.
- Queen Victoria**—Milk white, slightly pink. Pale lilac tinted, @ 75c and \$1.00 each.
- Richardson's Rubra Superba**—Lively carmine Amaranth color. Large, fragrant rose type, @ \$1.50 each.
- Rose Fragrance**—American Beauty style, sweet scented, @ 75c and \$1.00 each.
- Venus**—Delicate pink. Our very choicest pink grown, @ \$1.50 each.
- Delachi**—One of our very darkest reds, @ \$1.00 each.
- Exposition d'Lille**—French variety, red and pink, very rare, @ \$1.00 each.



BLOCK OF OUR AMOOR RIVER PRIVET NORTH
The Only Strictly Hardy Privet Grown

HARDY PERENNIALS

- Aquilegia or Columbine**—The most showy of all Columbine. Flowers large, very attractive, blue and white. Very satisfactory. Have also several other varieties, @ 25c each—\$2.75 per dozen.
- Delphinium or Larkspur**—Very hardy. Long, showy spikes of flowers from June 'til frost. Light blue, dark blue, and white, @ 25c each—\$2.75 per dozen.
- Bleeding Heart**—Perfectly hardy. Rose colored, very drooping habit. Large blooming size, @ \$1.00 each.
- Oriental Poppy**—Strictly hardy. Very flashy color. Early and attractive. Very noticeable anywhere. Blooming size plants, @ 35c each—\$4.00 per dozen.
- Lily of the Valley**—Thrives well in deep shade. An old and popular plant. Most fragrant of all flowers, @ 25c each—\$2.75 per dozen.
- Hardy Phlox**—One of the choicest Perennials of all. Blooms most all Summer. We have all shades and colors, in 10 varieties, which are very attractive and sure to please lovers of flowers. Strong blooming size plants, @ 25c each—\$2.75 per dozen.
- German Iris**—Perfectly hardy. Thrives most anywhere. We have from the earliest to the very latest varieties, in assorted colors. Also from dwarf to the tallest. Large assortment of varieties. Leave collections to us and we will furnish the best varieties, @ 25c each—\$2.75 per dozen.
- Hemerocallis or Strictly Hardy Lilies**—Orange and lemon colored. Orange colored is the dwarf variety, early blooming. Lemon colored is the tall grower and a late bloomer, @ 35c each—\$4.00 per dozen.
- Pyrethrum**—Strictly late flowering white Daisy, @ 25c each—\$2.75 per dozen.
- Chrysanthemum**—Hardy, late Fall flowering. Very ornamental. Three colors—red, white and yellow, @ 35c each—\$4.00 per dozen.
- Shasta Daisy**—One of the choicest Daisies for early Summer blooming, @ 25c each—\$2.75 per dozen.
- Funkia Variegated**—Foliage very attractive as a border plant. Planted for its fine variegated leaf. Has flower stem about a foot high; flowers blue. Not so much for the bloom as for its beautiful foliage, @ 25c each—\$2.75 per dozen.
- Buddleia or Butterfly Bush**—A plant which is extremely advertised. A Summer blooming Lilac. Strong blossoming plants, @ 75c each.
- Tritoma or Red Hot Poker**—One of the most flashy, 18 to 24 inches in height, with a long head of scarlet flowers. When open, changing to yellow. Blooming size plants, @ 35c each—\$4.00 per dozen.

Established 1850
Incorporated 1891

**WE KNOW THAT BUSINESS STAYS
ONLY WHERE IT IS WELL TREATED**



BARRETT BLOCK

113-115-117 N. Ottawa St.

JOLIET, ILL.

50500 SQ. FT. FLOOR SPACE

Accommodating 11 Departments

**GARDEN, AUTOMOBILE ACCESSORIES, CUTLERY, HOUSEHOLD
ELECTRIC, ELECTRICAL APPLIANCES, BUILDER'S HARDWARE,
PAINTS AND OILS, FACTORY, TOOLS, HOUSEHOLD, PLUMBING,
HEATING AND SHEET METAL WORK**

RETAIL--WHOLESALE